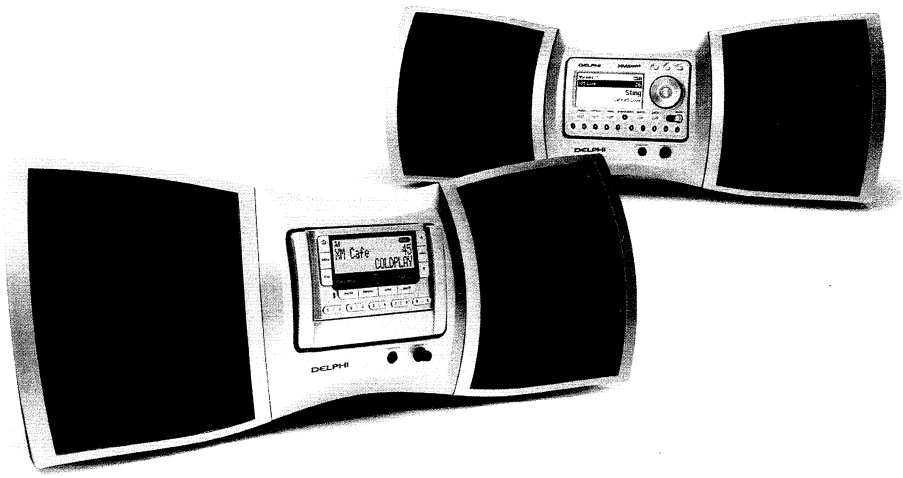
DELPHI

Delphi Audio System

Installation

Operation Guide



SATELLITE
RADIO

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ **Warning:** To prevent fire or shock hazard, do not expose the Delphi Audio System to rain, moisture, or water.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

The Delphi XM® SKYFi2™ and roadyXT™ Satellite Radio Receiver each incorporate an FM transmitter and are thereby classified as intentional transmitters. Changes or modifications not expressly approved by Delphi could void your authority to operate this equipment.

⚠ **Warning:** The FCC and FAA have not certified the SKYFi, SKYFi2, or roadyXT for use in any aircraft (neither portable nor permanent installation). Use of these devices in an aircraft could interfere with the aircraft navigation or communication devices and result in an accident including fatal injuries and/or property damage.

Owner's Record

The model number is located below and the serial number is located on the label on the rear of the Delphi Audio System.

Record the serial number in the space provided below. Refer to these numbers whenever you call upon your dealer regarding this product.

Model No.: DELPHI SA10201 Serial No.: _____

Table of Contents

What's in the Box 4

Setting up the Delphi Audio System 4

Using SKYFi/SKYFi2 with the Delphi Audio System 5

Using roadyXT with the Delphi Audio System 5

Using the Delphi Audio System with Batteries 6

Setting up the Antenna 6

- Positioning the XM Antenna 6
- Optimizing Antenna Position/Signal 6
- Installing the XM Antenna on the Rear of the Delphi Audio System 7
- Indoor Installation on a Flat Surface 7
- Outdoor Installation or Indoor Wall Mounting 7

Using the Delphi Audio System 8

- Volume 8
- Bass & Treble 9
- Headphones 9

Precautions 9

Troubleshooting 10

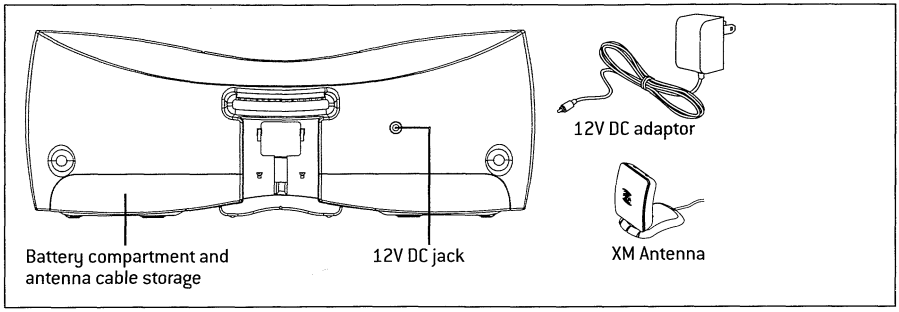
Maintenance 10

Specifications 11

Warranty 11

What's in the Box

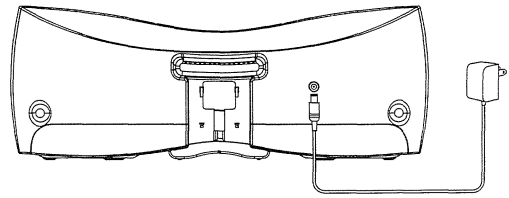
Your Delphi Audio System Kit contains the following components:

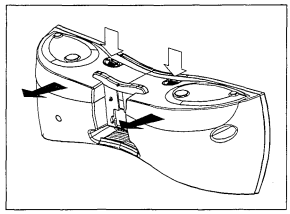


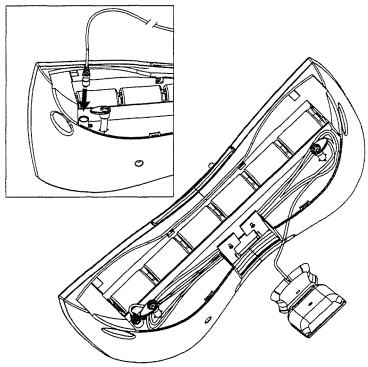
Setting up the Delphi Audio System

Set up your Delphi Audio System by following these steps:

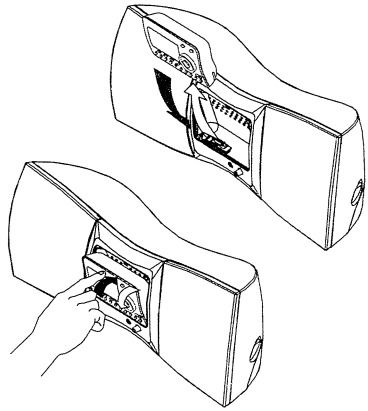
1. Connect the supplied 12V DC power adaptor to the jack on the rear of the Delphi Audio System, and the other end to a wall outlet.
2. Connect the XM Antenna to the antenna jack located inside the battery compartment and antenna cable storage located on the bottom of the Delphi Audio System. The cover must first be removed by pressing down on the two tabs with your thumbs and then sliding it away from the front of the Delphi Audio System. The antenna cable can either be completely wound around the two cable hooks in the compartment, leaving just enough cable to attach the antenna to the four tabs on the back of the Delphi Audio System, or the entire 20' cable can be used to position the antenna away from the Delphi Audio System for better reception. To reattach the panel, line up all six tabs and then slide the panel toward the front of the unit until a click is heard. Make certain that all six tabs are engaged and the rear of the panel is aligned with the rear cover.







Using SKYFi/SKYFi2 with the Delphi Audio System



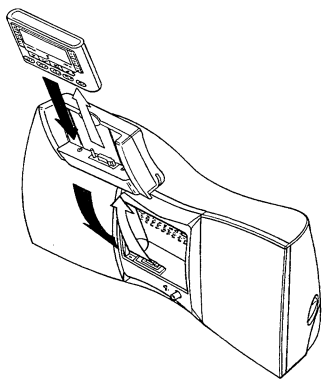
1. Insert the SKYFi/SKYFi2 Receiver (sold separately) into the cradle by first pressing in on the back of the black inset cradle in the Delphi Audio System. Then letting the cradle tilt forward, carefully slide the SKYFi/SKYFi2 Receiver down into the tray so that the alignment tabs on the sides of the tray line up with the slots on SKYFi/SKYFi2 and the connector is completely seated. Push on the top center above the display of the SKYFi/SKYFi2 Receiver so that it tilts back into the Delphi Audio System until a click is heard. The SKYFi/SKYFi2 Receiver can be removed by reversing this process.
2. Power up the Delphi Audio System combination by powering up the SKYFi/SKYFi2 Receiver using the power button on the receiver or on the remote control.
3. If the display reads "ANTENNA" after powering up, check that the antenna connection is secure and completely pushed in. Next, change channels (from 0 to 1 or from 1 to 0 if the receiver is not authorized yet). If the "ANTENNA" message remains, power down the radio, unplug the antenna, and look for any obvious damage in the connector, jack, or antenna cable. If no damage is detected, reconnect the antenna, turn the unit back on, and change channels again. If the message still appears, contact your retailer.
4. If the display reads "NO SIGNAL" after powering up, follow the instructions in "Setting up the Antenna" on page 6.

Using roadyXT with the Delphi Audio System

1. Insert the roadyXT Receiver (sold separately) into the adaptor included with the Delphi Audio System until snug.

   Caution: Do not use excessive force when inserting the receiver into the cradle. Doing so could cause damage to the unit.

2. Insert the adaptor containing the roadyXT into the cradle by first pressing in on the back of the black inset cradle in the Delphi Audio System. Then letting the cradle tilt forward, carefully slide the adaptor down into the tray so that the alignment tabs on the sides of the tray line up with the slots on the adaptor and the connector is completely seated. Push on the top center above the display of the adaptor so that it tilts back into the Delphi Audio System until a click is heard. The roadyXT Receiver adaptor can be removed by reversing this process.

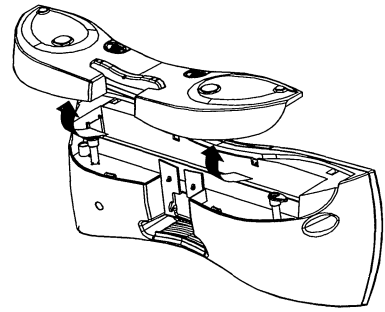


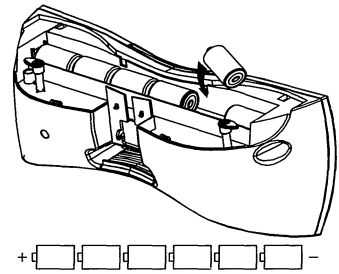
3. Power up the Delphi Audio System combination by powering up the roadyXT Receiver using the power button on the receiver or on the remote control.
4. If the display reads "ANTENNA" after powering up, check that the antenna connection is secure and completely pushed in. Next, change channels (from 0 to 1 or from 1 to 0 if the receiver is not authorized yet). If the "ANTENNA" message remains, power down the radio, unplug the antenna, and look for any obvious damage in the connector, jack, or antenna cable. If no damage is detected, reconnect the antenna, turn the unit back on, and change channels again. If the message still appears, contact your retailer.
5. If the display reads "NO SIGNAL" after powering up, follow the instructions in "Setting up the Antenna" on page 6.

Using the Delphi Audio System with Batteries

The Delphi Audio System can be used with batteries (not supplied) to allow you to listen to XM outdoors or in other locations without access to an AC power source. Alkaline or rechargeable NiCD batteries are recommended. Battery life will vary depending on how the system is operated and the type of batteries being used. It is recommended that the AC adaptor be the primary power source for the Delphi Audio System in order to preserve battery life.

1. Disconnect the power adaptor from the back of the Delphi Audio System.
2. Remove the battery compartment and antenna cable storage cover, as described in step 2 in "Setting up the Delphi Audio System" on page 4.
3. Insert six "D" size (R20) batteries into the battery compartment. Make sure that the batteries are facing the correct direction by verifying that the positive (+) and negative (-) symbols in the battery compartment match up with the same symbols on the batteries.
4. It is recommended that the batteries be removed when system is not in use for an extended period of time.





Setting up the Antenna

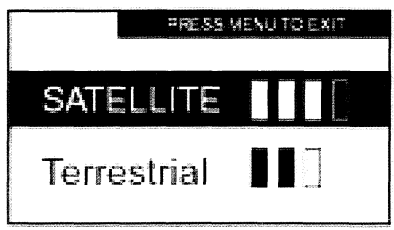
Positioning the XM Antenna

The antenna that comes with the Delphi Audio System is a high-gain antenna that can receive the XM signal from XM's satellites and/or, depending on where you live, XM's land-based repeaters. It is recommended that the antenna be positioned near a south-facing window or outdoors with a clear view of the southern sky in order to receive the satellite signal. In some cases, it will be possible to receive the XM signal through standard home walls or a roof.

To position your antenna, first set up the Delphi Audio System as described in this guide. Next, position the antenna until you receive the strongest possible satellite signal. If the satellite signal is not available, you can optimize it for a terrestrial signal (where available).

Optimizing Antenna Position/Signal

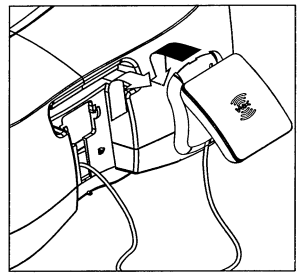
1. Press the "Power" button on the receiver to turn on the Delphi Audio System.
2. Press the "Menu" button.
3. Using the scroll wheel, turn the wheel until "Antenna Aiming" is highlighted.
4. With "Antenna Aiming" still highlighted, press the "Enter" button found in the center of the scroll wheel. The display will show the strength of the satellite and/or terrestrial signals. The antenna signal strength is indicated by the number of filled bars.

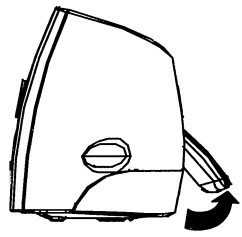


Installing the XM Antenna on the Rear of the Delphi Audio System

When outdoors with a view of the southern sky, or in an area of repeater coverage, or when receiving a strong signal indoors, you can conveniently mount the antenna directly on the back of the Delphi Audio System.

1. Remove the battery compartment and antenna cable storage cover as described in "Setting up the Delphi Audio System," wind the antenna around the two cable hooks, leaving several inches of cable free, and replace the cover.
2. Fold the antenna down flat against its base.
3. Position the antenna so that the XM logo is upside down, then place the antenna base against the back of the Delphi Audio System so that the four pegs line up with the four slots in the antenna base.
4. Place the antenna so that the base is flush with the back of the Delphi Audio System, and then slide down approximately 3/8" so that the tab at the base of the system lines up with the slot in the bottom of the antenna.
5. Position the antenna by pivoting the half with the XM logo away from the back of the Delphi Audio System and turning the entire system until you get the strongest signal.
6. Use the "Antenna Aiming" screen as described in "Optimizing Antenna Position/Signal" to optimize the antenna tilt angle and position.



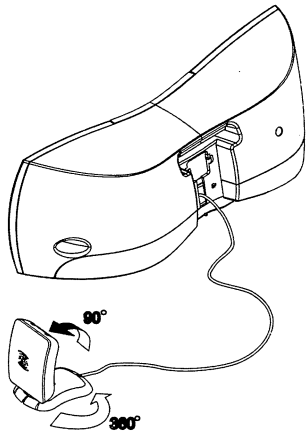


If you are unable to receive a signal, then position the antenna as described in one of the next two sections.

Indoor Installation on a Flat Surface

To aim your antenna at the satellite:

1. Set antenna flat against its base on a flat (horizontal) surface.
2. Turn the base of the antenna so that the XM logo is facing to the south.
3. Use the "Antenna Aiming" screen to optimize antenna tilt angle and position.
4. If necessary, experiment with different locations near a south-facing window or outdoors.



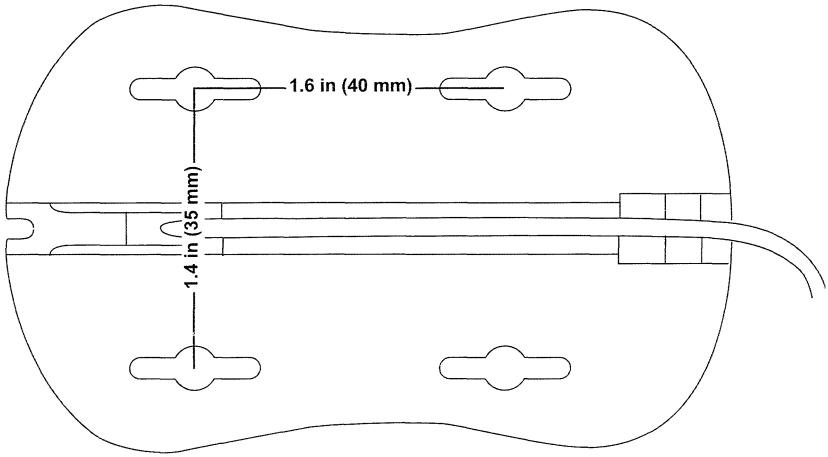
Your antenna comes with 20' of cable. If that is not sufficient to locate the antenna where there is a strong XM signal, purchase the Delphi XM Signal Repeater (Delphi model number SA10116) from your retailer or www.shopdelphi.com. Visit www.shopdelphi.com for more information about this accessory.

Outdoor Installation or Indoor Wall Mounting

The antenna can also be attached vertically to an external or internal wall if that is more convenient than placing it on a horizontal surface.

1. Holding your antenna up, find a wall location that ensures a strong signal. It is recommended that you use an extension cord to temporarily locate your receiver's home stand outdoors while optimizing the antenna location with the "Antenna Aiming" screen.

2. Attach four screws to the wall using the screw-locator pattern shown here. Photocopy the pattern to use as a template. Use screws with head sizes small enough to fit in the center of each of the four holes but large enough not to pop out of the elongated sections. Leave 1/8" of the screw shanks behind the heads sticking out of the wall.



Photocopy this diagram of the screw-locator pattern on the bottom of your XM Antenna to use as a template for wall attachment.

3. Tilt the antenna fully back on the base. Place the antenna base on the four screw heads with the antenna pivot at the top and pull down approximately 1/4" until the base is firmly secured. Note that the XM logo will be upside down when the antenna is properly installed.
4. Tilt the antenna away from the wall/base until the signal is optimized.

Note: Do not cut the antenna cable and attempt to splice it or attach alternative connectors or cable. The cable and connectors used in your receiver's home kit are specially chosen and attached at the factory to ensure that they will work with XM's unique frequency band. Use an XM-approved extension kit (Delphi model number SA10006) with your receiver.

Using the Delphi Audio System

Once the Delphi Audio System is set up and the SKYFi/SKYFi2 or roadyXT Receiver installed, the complete setup can be controlled as described in the receiver's operating guide.

Unique Delphi Audio System features include the following:

Volume

Volume can be adjusted using the volume knob on the Delphi Audio System. In addition, when the receiver is connected to the Delphi Audio System, the + and - controls on the remote control can also be used to increase (+) and decrease (-) volume.

Note that the "Line Out Level" cannot be reset while the receiver is in the Delphi Audio System since the volume control should be used to control the audio output instead. If the line out setting is adjusted while in a car cradle or home stand and the receiver is later reconnected to the Delphi Audio System, it will automatically return to the prior setting the next time it is used in a vehicle adaptor or home adaptor.

Bass & Treble

Bass and treble can be adjusted by pressing the "Menu" button, selecting "Bass + Treble", and then setting them in the same manner as other menu functions.

This feature only appears and only applies when the receiver is seated in the Delphi Audio System. If the receiver is removed and used in a vehicle adaptor or home adaptor, the bass and treble settings out of the receiver will be "flat" or "zero" since the audio signal will be processed by the vehicle or home audio systems. When the receiver is returned to the Delphi Audio System, it will return to the previously used bass and treble settings.

Headphones

The Delphi Audio System has a headphone jack conveniently located next to the volume control on the front of the unit. Many popular styles and types of headphones or earbuds can be used as long as their plugs and/or adaptors fit the industry standard 3.5 mm diameter stereo jack.

⚠ **Warning:** Hearing damage from loud noise is almost undetectable until it is too late. Your hearing can adapt to higher volumes of sound. Sound that seems normal can be loud and harmful to your hearing. Take precautions by adjusting the volume control on your audio system to a safe sound level before your hearing adapts to it.

To help avoid hearing loss or damage, do the following:
1. Adjust the volume control to the lowest setting.
2. Increase volume slowly until you hear comfortably and clearly.

Precautions

1. On power sources:
   - For AC operation, it is recommended that only the supplied AC power adaptor is used. If you need to use another one, make sure it is a 12V, 1500mA DC adaptor with a unified polarity-type jack.
   - The satellite radio receiver is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the satellite radio receiver has been turned off or detached.
   - Unplug the AC power adaptor from the wall outlet when it is not used for an extended period of time.
   - For battery operation, use six "D" size (R20) batteries.
   - The icon indicating operating voltage, power consumption, etc. is located next to the power jack on the rear cover.

   Caution: When the batteries are not being used, remove them to avoid possible damage that can be caused by battery leakage or corrosion.

2. On placement:
   - Do not place the Delphi Audio System on an inclined or unstable surface.
   - Do not place anything within 1/2" of the side of the cabinet. The audio/ventilation ports must be unobstructed for the Delphi Audio System to operate properly and prolong the life of its components.
   - Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnetic fields.
3. Do not immerse in water.
   - This product is not meant to be immersed in water or come in continuous contact with water.
   - Before opening or shutting the receiver cradle or battery compartment panel, be sure to wipe off water, dust, or sand on the outside of the unit.
   - If the Delphi Audio System is splashed with salt water, wipe clean with a damp cloth, and then dry with a soft dry cloth. Do not wash under running water; do not use soap or detergent; do not dry with an electric hair dryer.
   - The supplied AC power adaptor is not water resistant. To prevent shock hazard, avoid using the Delphi Audio System near water during AC operation.
   - Water in the headphone jack may cause rusting and possible malfunction.

Troubleshooting

1. The power is not on:
   - Connect the AC power adaptor to a wall outlet securely and make sure the wall outlet has 110V AC output.
   - Make sure the batteries are inserted correctly.
   - Replace all the batteries with new ones if they are weak.
2. There is no audio:
   - Unplug the satellite radio receiver from the Delphi Audio System and re-insert it.
3. Noise is heard coming through the Delphi Audio System:
   - Someone is using a portable telephone or other equipment that emits radio waves near the antenna (~2.3GHz). To solve this problem, move the portable telephone, etc. away from the unit.

Maintenance

To clean the cabinet panel and controls, use a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzene.

Note: Unplug the AC power adaptor before cleaning to avoid any electric shock hazard.

Specifications

ITEM		UNIT	SPECIFICATION		REMARK	
			NOMINAL	LIMITED		
1	Continuous average power output	W	>4	>3.5	Rated output (10%) at 1 KHz	
2	Total harmonic distortion	%	>0.6	>1.0	Output: 0.5 W	Frequency: 70 Hz ~ 20 KHz
3	Sensitivity	mV	180	140~235	Line input	Frequency: 70 Hz ~ 20 KHz
4	Frequency response	Hz	65~22K	70~20K	-3 dB	0 dB: 0.775 V/1 KHz
5	Signal to noise ratio	dB	>65	>60	Level 1 0 dB: 2.0 V/1 KHz	
6	Channel separation	dB	>45	>40	Input: Short	Level 1 0 dB: 2.0 V/1 KHz
7	Input impedance	Ohm	–	–	Normal input	Frequency 1 KHz
			–	–	Floating input	
			>4.7K	>4.5K	Line input	
8	Max noise ratio	mV	3	5	Input: Short	
9	Battery power range	V	7~16	7.5~15	Operation fine	
10	Dimensions	in./mm	18 3/4" W x 7" H x 5 5/16" D (476 mm W x 178 mm H x 135 mm D)			

Warranty

Delphi Limited Consumer Warranty (United States)

Delphi Product and Service Solutions ("Delphi") warrants all XM Satellite Radio Products sold by Delphi (each "Product") to be free of defects in material and workmanship, subject to the following conditions:

The duration of Delphi's warranty with respect to each Product is limited to one (1) year from the date of sale to the original consumer purchaser.

No other express warranties are made with respect to any Product. All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited to the warranty period set forth above. This warranty is not transferable and applies only to the original consumer purchaser of the Product.

Delphi will, as its sole obligation under this warranty, replace or repair, at its option, any Product that does not conform to this warranty. Products may be repaired or replaced with new or with refurbished items. This limited warranty does not cover defects in appearance, cosmetic or decorative items, including any non-operative parts. Under no circumstances will Delphi be liable for any incidental or consequential damages under this warranty or any implied warranties. These remedies are the customer's exclusive remedies for breach of warranty. This limited warranty only extends to customers who purchase the Products in the United States.

Delphi will not be responsible for damage resulting from any (i) deviation of Delphi's operating instructions as printed in Delphi's catalog or on any packaging, labels or other literature provided with a Product, (ii) installation of a Product in a manner which is inconsistent with Delphi's written instructions, (iii) alteration or modification of a Product, (iv) misuse, (v) neglect, (vi) abuse, (vii) accident, (viii) normal wear and tear, (ix) commercial use, (x) improper storage, (xi) environmental conditions, including excessive temperature or humidity, (xii) service by anyone other than a Delphi authorized repair facility, (xiii) other improper application, installation or operation of this Product, or (xiv) defects or malfunctions of which Delphi is not advised within ten (10) days of the expiration of the limited warranty period.

How you (the Customer) can get service

To obtain warranty service during the first thirty (30) days after the date of purchase, you must return the defective Product with the original receipt to the original place of purchase. To obtain warranty service during the first thirty (30) days for Products purchased from

www.delphi.com and for all products for the remainder of the limited warranty period, you must contact Delphi by phone at 1.877.GO DELPHI (1.877.463.3574). If further clarification or additional information is required from Delphi, you may call Delphi at 1.877.GO DELPHI (1.877.463.3574).

If warranty service is needed at any time during the warranty period, the purchaser will be required to furnish a sales receipt/proof of purchase indicating the date of purchase, amount paid, and place of purchase. Customers who fail to provide such proof of purchase will be charged for the repair/replacement of any Product.

How state law relates to the warranty

Some states do not allow limitations on the duration of implied warranties, or the exclusion or the limitation of incidental or consequential damages. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights that may vary from state to state. **NO PERSON IS AUTHORIZED BY DELPHI TO MODIFY OR ADD TO THIS LIMITED WARRANTY.**

Delphi Limited Consumer Warranty (Canada)

Delphi Product and Service Solutions ("Delphi") warrants all XM Satellite Radio Products sold by Delphi (each "Product") to be free of defects in material and workmanship, subject to the following conditions:

The duration of Delphi's warranty with respect to each Product is limited to one (1) year from the date of sale to the original consumer purchaser.

Delphi makes no express warranties with respect to any Product except as set forth herein. All implied conditions and warranties, including the implied conditions and warranties of merchantable quality and fitness for a particular purpose are limited to the warranty period set forth above. This warranty is not transferable and applies only to the original consumer purchaser of the Product.

Delphi will, as its sole obligation under this warranty, replace or repair, at its option, any Product that does not conform to this warranty. Products may be repaired or replaced with new or with refurbished items. This limited warranty does not cover defects in appearance, cosmetic or decorative items, including any non-operative parts. Under no circumstances will Delphi be liable for any loss of revenue, loss of profits or failure to realize expected savings (collectively, "Economic Loss") under this warranty or any implied conditions or warranties. These remedies are the customer's exclusive remedies for breach of conditions or warranty. This limited warranty only extends to customers who purchase the Products in Canada.

Delphi will not be responsible for damage resulting from any (i) deviation of Delphi's operating instructions as printed in Delphi's catalog or on any packaging, labels or other literature provided with a Product, (ii) installation of a Product in a manner which is inconsistent with Delphi's written instructions, (iii) alteration or modification of a Product, (iv) misuse, (v) neglect, (vi) abuse, (vii) accident, (viii) normal wear and tear, (ix) commercial use, (x) improper storage, (xi) environmental conditions, including excessive temperature or humidity, (xii) service by anyone other than a Delphi authorized repair facility, (xiii) other improper application, installation or operation of this Product, or (xiv) defects or malfunctions of which Delphi is not advised within ten (10) days of the expiration of the limited warranty period.

How you (the Customer) can get service

To obtain warranty service during the first thirty (30) days after the date of purchase, you must return the defective Product with the original receipt to the original place of purchase. To obtain warranty service during the first thirty (30) days for Products purchased from www.delphi.com and for all Products for the remainder of the limited warranty period, you must contact Delphi by phone at 1.877.GO DELPHI (1.877.463.3574). If further clarification or additional information is required from Delphi, you may call Delphi at 1.877.GO DELPHI (1.877.463.3574).

If warranty service is needed at any time during the warranty period, the purchaser will be required to furnish a sales receipt/proof of purchase indicating the date of purchase, amount paid, and place of purchase. Customers who fail to provide such proof of purchase will be charged for the repair/replacement of any Product.

How provincial law relates to the warranty

Some provinces do not allow limitations on the duration of implied conditions or warranties, or the exclusion or the limitation of Economic Loss. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights that may vary from province to province. **NO PERSON IS AUTHORIZED BY DELPHI TO MODIFY OR ADD TO THIS LIMITED WARRANTY.**

DELPHI

Delphi Corporation
1441 West Long Lake Road
Troy, Michigan 48098-5090
U.S.A.
Customer Service (1) 877.GO DELPHI

www.delphi.com

Printed on Recycled Paper
©2006 Delphi Corporation. All rights reserved.
DPSS-06-E-103

The XM name, SKYFi, SKYFi2, roadyXT, and related logos are trademarks of XM Satellite Radio Inc.

DELPHI

user guide

roadyXT

SA10175

XM Satellite Radio Receiver

SATELLITE RADIO

Important: This manual contains important safety and operating information. Please read, understand, and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to your roady XT, accessories, and/or to your vehicle or property.

FCC ID: RS2SA10177
IC: 5697A-SA10177
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The Delphi XM® roadyXT Satellite Radio Receiver incorporates an FM transmitter and is therefore classified as an intentional transmitter. Changes or modifications to the unit not expressly approved by Delphi can void your authority to operate this equipment.

Warning: The FCC and FAA have not certified the Delphi XM roadyXT Satellite Radio Receiver for use in any aircraft (neither portable nor permanent installation). Therefore, Delphi cannot support this type of application or installation.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Table of Contents

A Brief History 4
About Delphi 5
About XM 5
Let's Get Started 6
First, some important reminders 6
Controls 7
Display 8
Remote Control 9
Activating Your roadyXT 10
Listening to XM 11
Selecting channels 11
Searching for channels by category 12
Searching for channels by scanning 13
Using presets 14
Memory and jump 15
Personalizing Your roadyXT 16
Making any FM radio an XM radio 16
Screen color 17
Contrast 17
Audio level 17
Aiming the antenna 18
TuneSelect™ 18
Stock Ticker 19
Info Extras 20
Changing display information 21
Direct Tune 21
Auto-On 21
Auto-Off and "sleep" timer 22
Resetting to factory default 22
Other Things You Should Know 23
Care 23
Accessories (sold separately) 23
Troubleshooting 24
Contacting Technical Support 28
Technical Information 28
Warranty 29
Delphi Limited Consumer Warranty 29
How you (the Customer) can get service 31
How state law relates to the warranty 31

A Brief History

The new Delphi roadyXT Satellite Radio Receiver—smaller, lighter, and more versatile than the best-selling Roady2®.

- Dock your roadyXT into cradles that are easily installed in your vehicles or your home. One simple motion connects your roadyXT's power, audio, and antenna.
- A built-in FM transmitter allows you to hear XM programming on any nearby FM radio, using any unused frequency on the FM band.
- Exclusive Info Extras and Stock Ticker bring you personalized stock information, sports scores, and more.
- TuneSelect™ alerts you when your favorite song is being played on any XM channel.

About Delphi

Delphi is a worldwide leader in mobile electronics, vehicle components, and audio technology. Delphi created the first in-dash car radio in 1936 and continues its strong tradition of innovation in the audio industry. Now Delphi technology has helped make satellite radio a reality, and Delphi continues to expand its in-vehicle and consumer electronics technologies. With its exciting line of satellite radio products, Delphi offers a broad portfolio of products to answer a wide variety of information and entertainment needs—in the vehicle, home, office, or virtually anywhere.

About XM

XM Satellite Radio is the nation's leading provider of satellite radio with more than 4 million subscribers. XM offers more than 150 digital radio channels: 67 commercial-free music channels, ranging from hip hop to opera, rock to bluegrass, big band to reggae; 64 talk radio channels, including news, sports, comedy, and children's programming; and 21 channels of round-the-clock traffic and weather reports. Subscribers pay $12.95 a month for the XM service, which was named Best Radio Service by the music industry's leading magazine Billboard at the 2004 Digital Entertainment Awards. Exclusive programming on XM includes Major League Baseball® games for every team, all season long. You can listen to XM on a variety of satellite radio receivers for the vehicle, home, and portable use. In-dash XM radios are available in more than 120 vehicle models for the 2005 model year. XM is broadcast via satellite from coast to coast, so you can listen to XM continuously as you travel across the country.

*To receive the XM service, you must subscribe to XM. Available in the continental United States and Canada only. Satellite radio reception depends on the ability of the antenna to receive a signal. The signal may not be available in buildings or if obstructed (e.g., by mountains, trees, bridges, etc).

Let's Get Started

First, some important reminders

We know you're eager to turn on your new roadyXT and listen to XM. Please take a moment to remember the following:

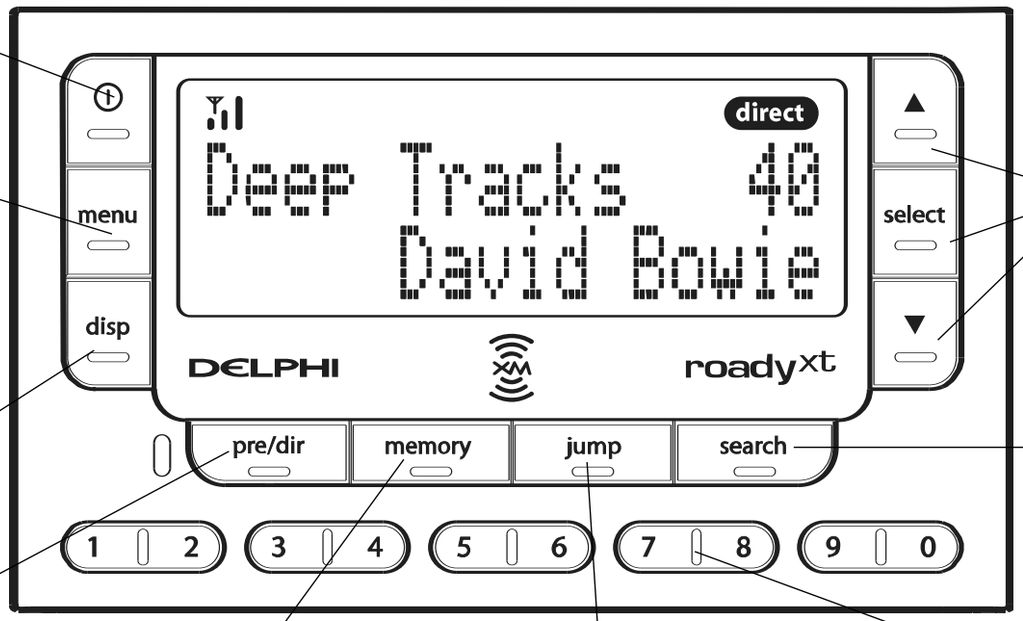
Warning: This manual contains important safety and operating information. Please read, understand, and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to your roadyXT, accessories, and/or to your vehicle or property.

Warning: When using this product it is always important to keep your eyes on the road and your hands on the wheel. Not doing so could result in injury and/or death to yourself or to others and/or in property damage.

Caution: Use your roadyXT only with the enclosed components or approved accessories. Do not modify wires or other connectors in any way; you could cause a malfunction, which could damage your roadyXT and will void your warranty.

Caution: Refrain from using food or drinks near your roadyXT. Spilling food or drinks on the unit can damage it. Also, improperly installing the antenna cable can cause leaks, which can damage your roadyXT and/or your vehicle.

Controls



menu – access advanced features and configuration options

disp – change what you see on the display

up and down arrows, select – change channels, choose menu options, TuneSelect™

search – look up channels by category or scan all channels

pre/dir – select between direct channel entry or up to 30 presets

memory – save and recall up to 20 artist names or song titles

jump – return to previous channel; press and hold to select one of last six FM frequencies used for transmitter

numbers – enter a channel directly or select favorite presets

Display

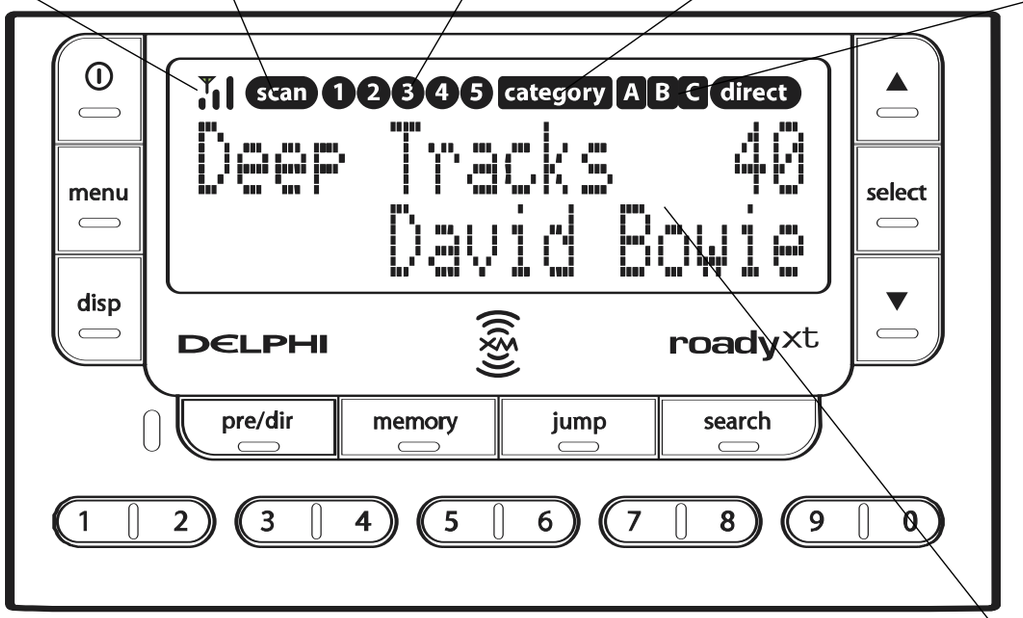
signal strength – 1 to 3 bars

search by scanning all channels

display modes 1-5

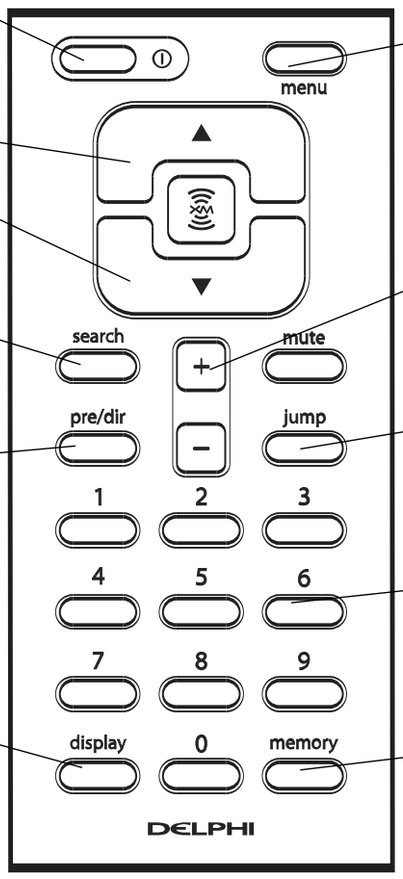
search channels by category

channel selection mode – direct entry or preset banks A, B, or C



additional info – channel name, channel number, artist, song title, Stock Ticker, and Info Extras

Remote Control*



power

up and down arrows, select – change channels, choose menu options, TuneSelect™

search – look up channels by category or scan all channels

pre/dir – select between direct channel entry or up to 30 presets

display – change what you see on the display; show artist name, song title, channel number, stock quotes, or Info Extras

menu – access advanced features and configuration options

+ and - – change channels, or control volume if roadyXT is placed in an audio system

jump – return to previous channel; press and hold to select one of last six FM frequencies used for modulator

numbers – enter a channel directly or select favorite presets

memory – save and recall up to 20 artist names or song titles

*Sold separately

Activating Your roadyXT

Use the arrow buttons to find channel 0, then push the "**select**" button to choose it. You should see an 8-character XM Radio ID in the display. (The XM Radio ID should also be on the bottom of your roadyXT, and on the package.) Write the ID here:

Note: Carefully check your XM Radio ID. **The letters I, O, S, and F are not used.**

Activate your XM Satellite Radio service by contacting XM at http://activate.xmradio.com or by calling 1.800.XM.RADIO (1.800.967.2346). You will need the XM Radio ID and a major credit card.

XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10 to 15 minutes, but during peak busy periods, you may need to keep your roadyXT on for up to an hour to complete the activation process. When you can access the full channel lineup on your roadyXT, you're done!

Warning: When using this product it is always important to keep your eyes on the road and your hands on the wheel. Not doing so could result in injury and/or death to yourself or to others and/or in property damage.

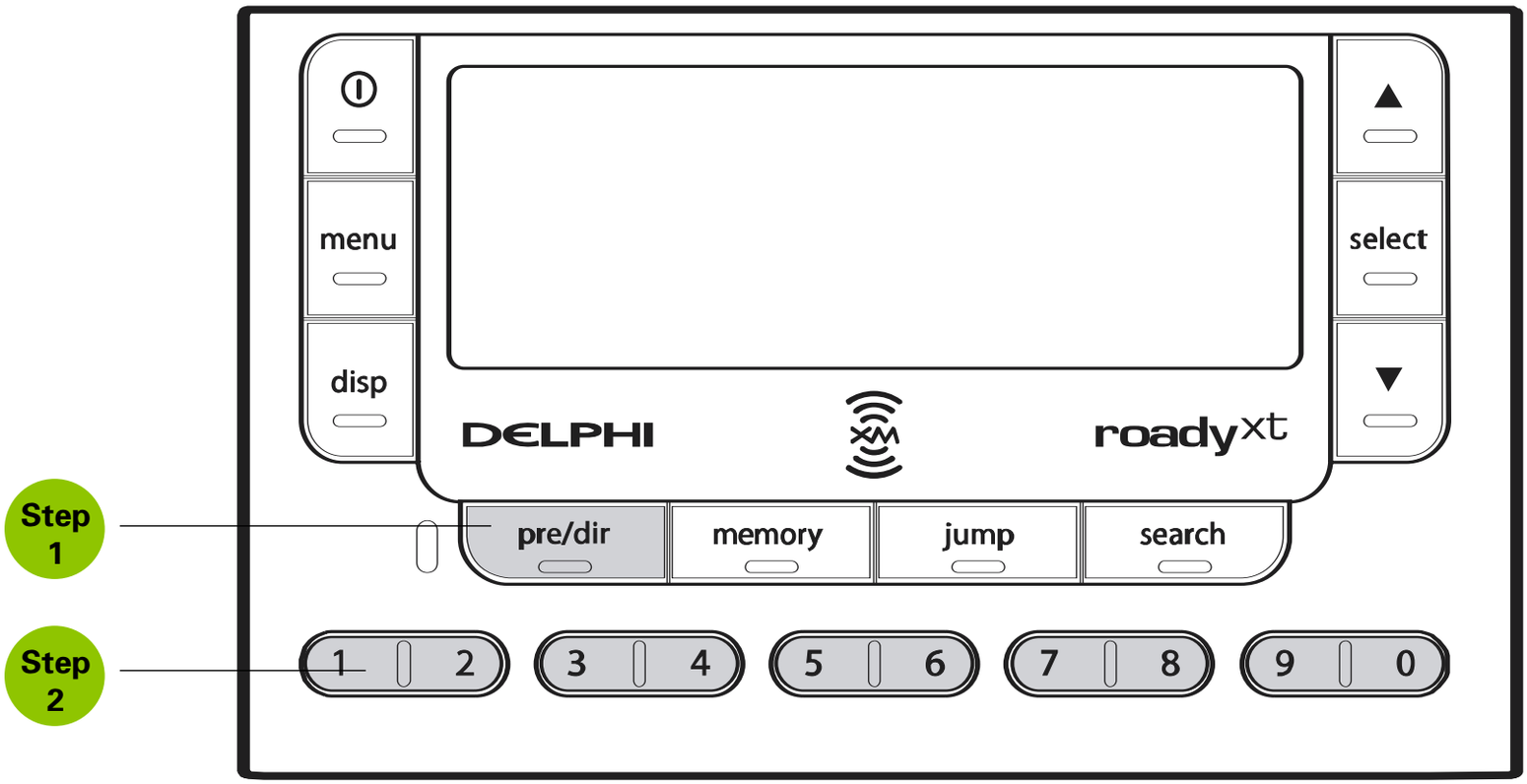
Warning: Failure to properly follow all installation instructions may result in personal injury, death, and/or damage to your roadyXT, accessories, and/or to your vehicle or property.

Listening to XM

Selecting channels

Select a channel directly by entering its channel number. Press the "**pre/dir**" button (step 1) until direct appears on the screen. Then press the number buttons (step 2) corresponding to the channel. Channel 12 can be entered as "1," then by "2," or as "0," "1," and "2."

Or press the up and down arrows to quickly step through each channel. When you find one you like, press the "**select**" button.



Warning: When using this product it is always important to keep your eyes on the road and your hands on the wheel. Not doing so could result in injury and/or death to yourself or to others and/or in property damage.

Searching for channels by category

XM channels are arranged by categories, or neighborhoods. This allows you to see all channels in the “Rock” category, for example.

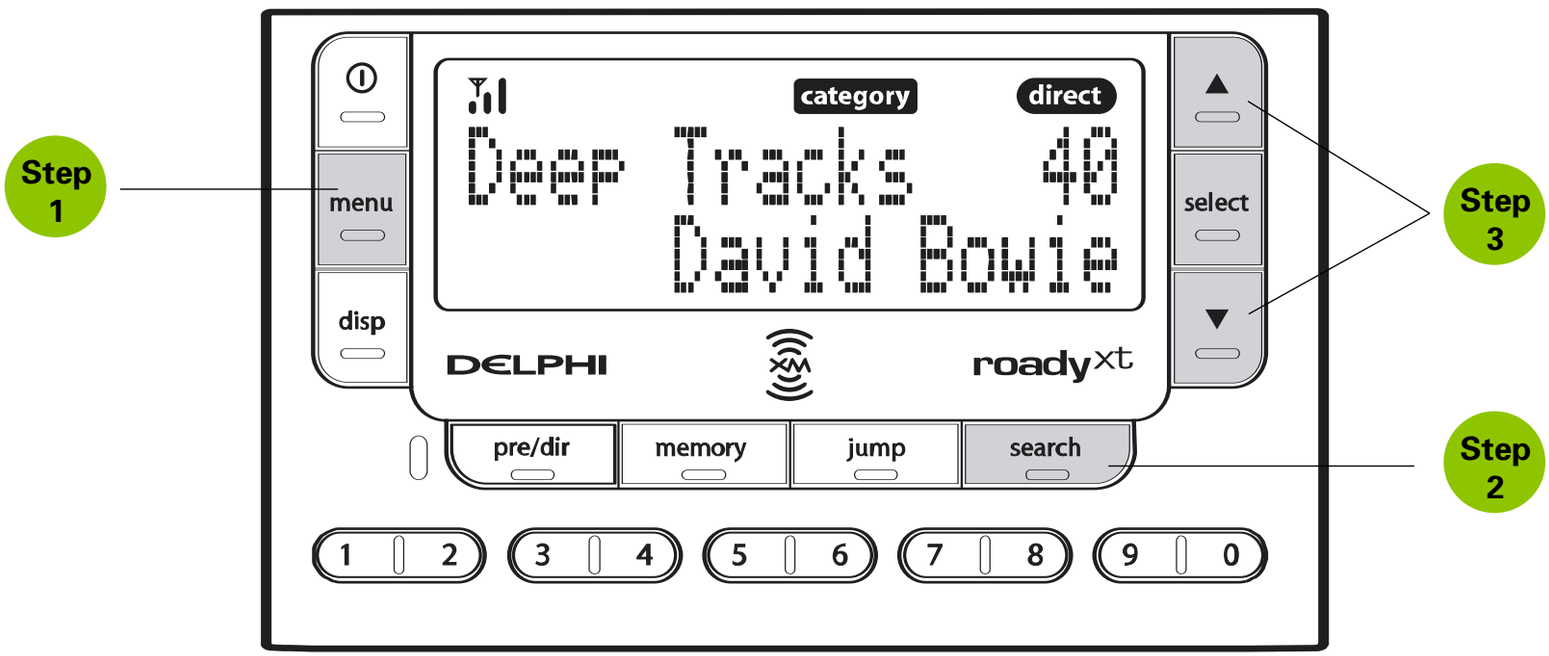
Press the “**menu**” button (step 1), go to “Search Mode,” and select “By Category.”

Each press of the “**search**” button (step 2) tunes you to the first channel of a new category.

Notice that the **category** icon is highlighted in the display.

Use the arrow buttons (step 3) to sample the channels within a category. Press the “**select**” button to choose a channel.

If you do nothing for 10 seconds, the radio automatically returns to the normal channel selection method.

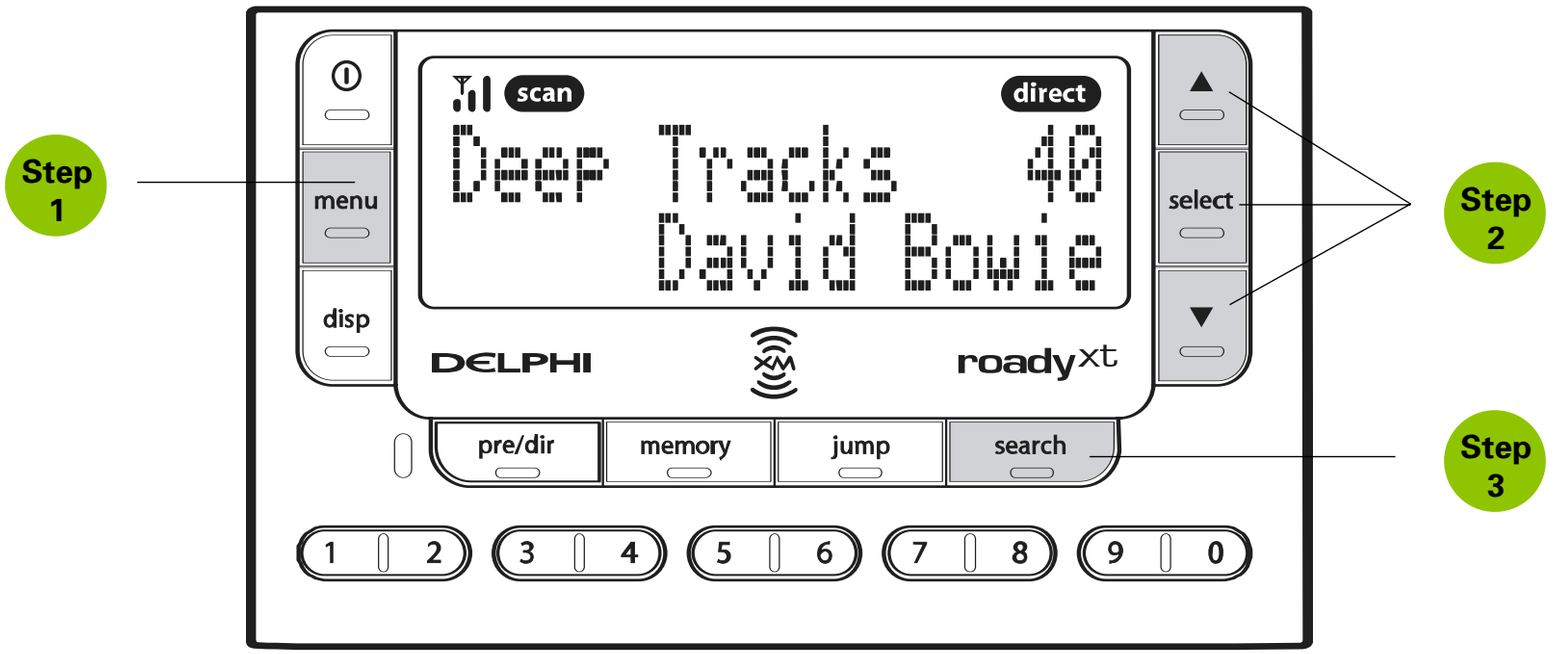


Searching for channels by scanning

Your roadyXT can also scan through each channel, pausing long enough to hear the programming before moving on to the next one.

Press the "**menu**" button (step 1), go to "Search Mode," and select "By Scanning" (step 2).

Press the "**search**" button to begin scanning (step 3). Each channel plays for about 5 seconds. While scanning channels, scan blinks in the display. Press the "**search**" button again to stop on a channel.



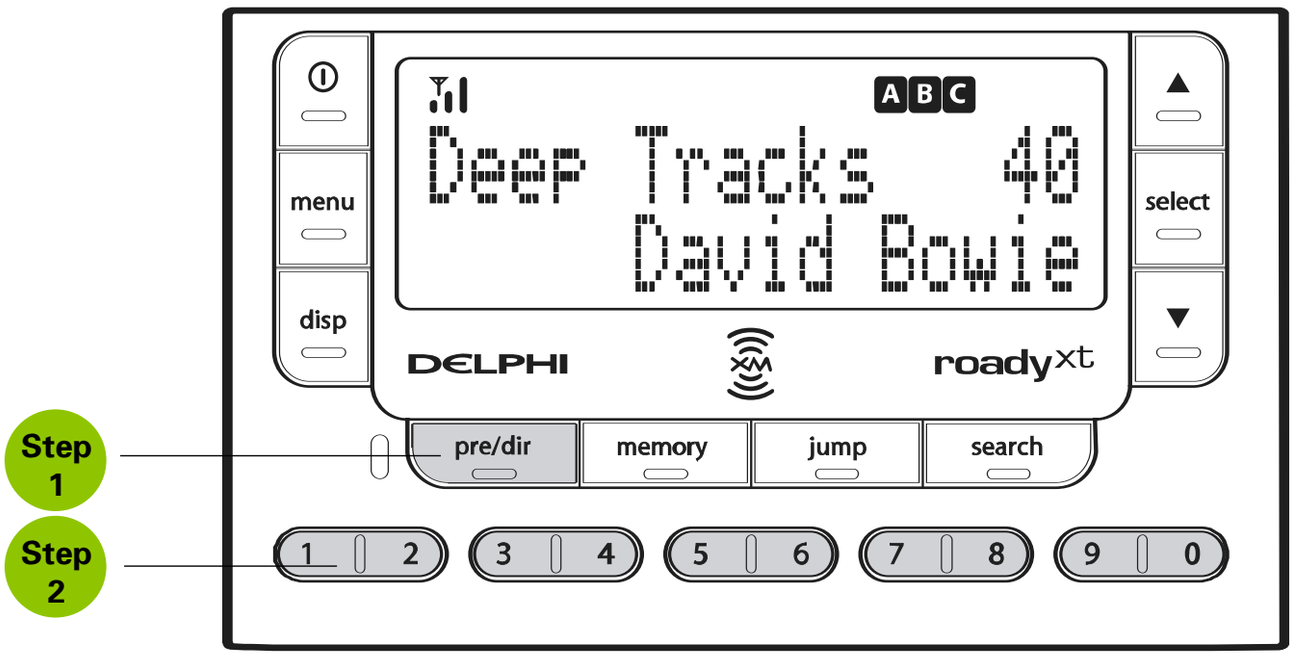
Using presets

Your roadyXT can store up to 30 of your favorite channels as presets. The presets are organized into three banks (A, B, or C) that each contain 10 presets.

Press the "**pre/dir**" button one or more times to select bank A, B, or C (step 1). After you've tuned to your desired channel, press and hold a number button to save the channel into that preset (step 2).

Whenever you want to quickly tune to that channel, simply press that button again.

You can use the preset banks to organize your channels in different ways: Store your favorite channels in bank A, and someone else's favorite channels in bank B. Or use one bank for music, another for news.



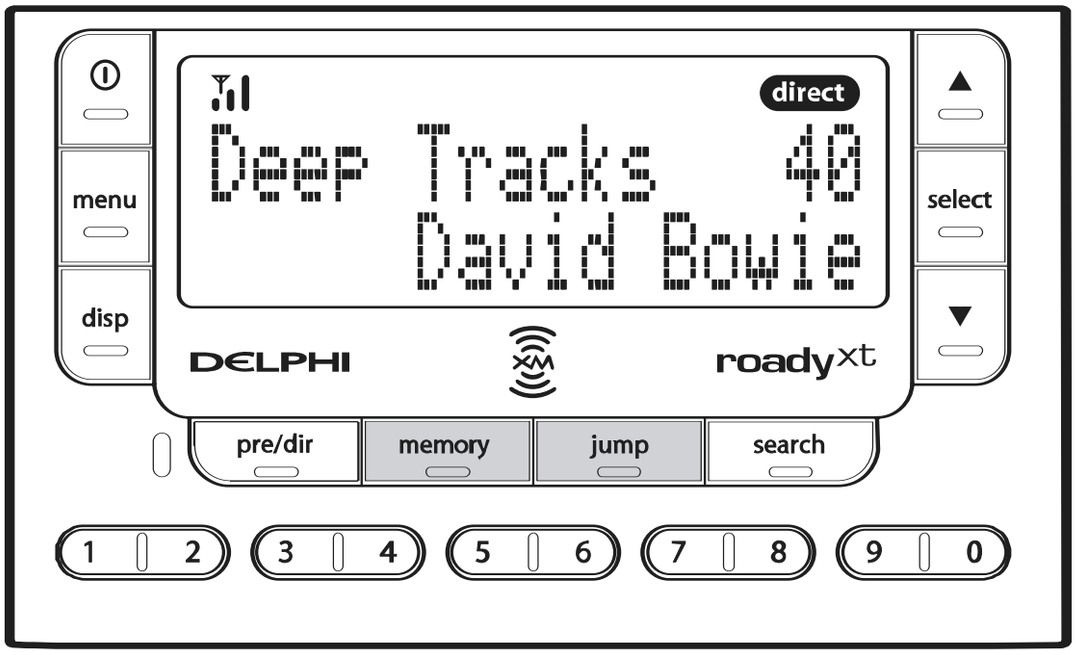
Memory and jump

Press the “**memory**” button to remember a song’s artist or title. Your roadyXT can remember up to 20 entries. (After 20, any new entry replaces the oldest entry in memory.)

To recall the list of songs, press and hold the “**memory**” button, then use the up and down arrow buttons to step through the list.

Press the “**jump**” button to return to the previous channel you were listening to.

You can press and hold the “**jump**” button for FM presets. See page 16 for more information.



Personalizing Your roadyXT

You can easily adapt your roadyXT to suit your listening habits. Simply press the "**menu**" button to see the options you can customize. If you ever get lost or decide not to change anything, press the "**menu**" button several times to return to normal operation. Or just wait about 15 seconds and roadyXT automatically cancels whatever you're doing.

Making any FM radio an XM radio

Your roadyXT contains a built-in FM transmitter that sends the XM audio signal to a car, home, or marine FM radio.

1. Turn on your FM radio, and turn off your roadyXT.
2. Unplug any cassette adaptor or audio cable from the roadyXT cradle. If you are using the Delphi FM Direct Adaptor (model SA10112, sold separately), connect it to the vehicle cradle.
3. Find an FM frequency that is not being used by any commercial FM station. Tune your FM radio through the FM band and note which frequency has no FM station or the least amount of interference.
4. Turn on your roadyXT.
5. Press the "**menu**" button and select "FM Frequency."
6. Match the FM frequency that you found in step 3.
7. You should now hear XM programming on your FM radio. If the sound isn't clear or you hear noise or static, try another FM frequency. If you're traveling, you may need to retune periodically; this is due to the differences in signal strength of local FM stations and is not a problem with your roadyXT.
8. Pressing and holding the "**jump**" button for 2 seconds pulls up a list of the last six FM frequencies you selected. This allows you to quickly tune to unused FM frequencies when using the FM transmitter. Use the arrow buttons and the "**select**" button to choose the frequency you want.

Screen color

To change the color of the display, press the “**menu**” button and select “Screen Color.” Use the arrow and the “**select**” buttons to choose a color; to cancel, press the “**menu**” button.

Contrast

To vary the contrast of the display, press the “**menu**” button and select “Contrast.” Use the arrow buttons to adjust the contrast, and press the “**select**” button to confirm.

Audio level

You may adjust roadyXT’s audio output level if it is too high (causing distortion) or too low. Choose a setting so that the XM audio matches your other audio sources, such as your CD player or FM radio. To change the audio output level, press the “**menu**” button and select “Audio Level.” Use the arrow buttons to adjust the level and the “**select**” button to confirm. Press the “**menu**” button to exit.

Most users should NOT need to change this level from the factory setting. This is not a volume control; you should set the volume using the audio system that is connected to your roadyXT.

Aiming the antenna

Note: For use with the Home Kit, sold separately.

Your roadyXT can help you choose the best antenna position and orientation.

1. Press the "**menu**" button. Use the arrow and "**select**" buttons to choose "Antenna Aiming."
2. Slowly turn and tilt the antenna. The signal bars on the display will change. Find the position that gives at least two bars on either "satellite" or "terrestrial."
3. The antenna aiming screen remains as long as it's needed to help you position the antenna. When you've found the best position, press the "**menu**" button twice to return to normal operation.

TuneSelect™

TuneSelect can alert you whenever one of your favorite songs or artists is playing on any XM channel.

1. Press the "**menu**" button and select the "TuneSelect" option, then select "Song or Artist." You can choose to select "By Song" (factory default) or "By Artist." Press the "**menu**" button again to return to normal operation.
2. When you hear one of your favorite songs or artists, press and hold the "**select**" button until you hear a beep. This indicates that roadyXT has saved the song or artist information to its TuneSelect list. The list holds up to 20 entries; when it is full, any new entry replaces the oldest song in the list.
3. When any song or artist on the list is currently playing on any XM channel, your roadyXT beeps and flashes "Artist / Song Found" on its display.
4. Press the "**select**" button to switch to that channel.
5. To edit the list, press the "**menu**" button and choose the "TuneSelect" option, then the "Erase" option. You can either erase specific songs or artists on the list, or erase all songs and artists.

Stock Ticker

You can track up to 20 stock symbols and see their prices and movements right on the roadyXT's display.*

TO ADD A STOCK SYMBOL:

1. Press the "**menu**" button, select "Stock Ticker," and select "Add Stocks."
2. Use the arrow buttons to add each letter of the desired stock symbol. Press the "**select**" button after choosing each letter. (Your roadyXT has a list of more than 9,000 stock symbols, and will not only help you complete each entry but prevents you from entering incorrect symbols.)
3. When you've entered all your desired stock symbols, press the "**menu**" button several times (or simply wait a few seconds) until your roadyXT returns to normal operation.
4. Press the "**disp**" button until you see "Stocks" and a ticker across the bottom of the screen.**

TO ERASE A STOCK SYMBOL:

1. Press the "**menu**" button , select "Stock Ticker," and select "Erase Stocks."
2. Choose "Erase All" or "Erase Some."
3. If you're erasing some stocks, press the arrow buttons to select the stock to be deleted. Press the "**select**" button to erase the chosen stock symbol.
4. Press the "**menu**" button several times to return to normal operation.

*Quotes are provided by ComStock, Inc. and cover most stocks listed on the NYSE, AMEX, or NASDAQ. Market information is delayed by approximately 25 minutes.
** Extreme cold temperatures can affect the performance of the LCD in "Scroll" mode. We recommend you change to the "Pages" mode until the temperature rises.

Info Extras

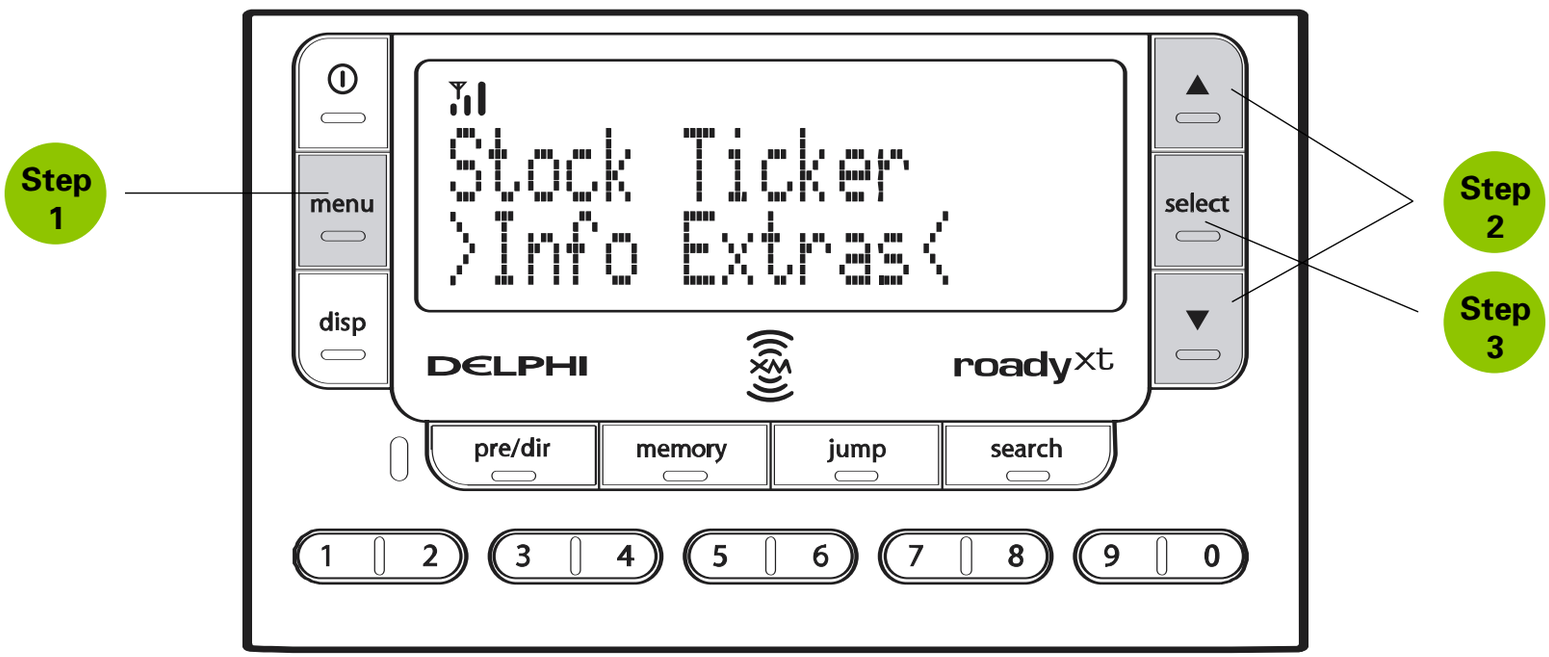
XM Satellite Radio will broadcast information such as sports scores and other features at various times.*

Press the "**menu**" button and select "Info Extras" (step 1). Use the arrow buttons to see what's available (step 2).

Press the "**select**" button to add or remove the Info Extras item (step 3).

"**-**" indicates that you have not yet selected the item; "**+**" means you've chosen the item.

To view the Info Extras that you chose, press the "**disp**" button until you see the Info Extras items at the bottom of the screen (display mode 5).



*Sports scores are provided by Stats, Inc.

Changing display information

The Stock Ticker and Info Extras can either be scrolled (moving from right to left in the display) or paged (one symbol at a time). To switch from one option to the other:

1. Press the "**menu**" button and select "Display Mode."
2. Choose either "Pages" or "Scroll." Press the "**select**" button to confirm.

Direct Tune

Normally as you press the arrow buttons, you can preview what's playing on other XM channels before actually selecting a channel. To automatically tune to a channel without having to press the "**select**" button, set the following option:

1. Press the "**menu**" button.
2. Select "Direct Tune."
3. Select "On." To return to the factory-default method, select "Off."

Auto-On

When you use your roadyXT in a car or truck, it normally turns on when you switch on the vehicle's ignition. If you prefer to manually turn on your roadyXT using its power button, set the following option:

1. Press the "**menu**" button.
2. Select "Auto-On."
3. Select "On." To return to the factory default, select "Off."

You should also set this option to "Off" if your roadyXT is connected to a power source that is always live.

Auto-Off and “sleep” timer

You can set your roadyXT to shut off the radio 1 to 3 hours after being turned on. Set this option if you have connected your roadyXT to a power source in your vehicle that is always live. Your roadyXT will then automatically shut off and prevent you from draining your vehicle’s battery. You can also use this feature as a “sleep” timer.

1. Press the “**menu**” button.
2. Select “Auto-Off.”
3. Select the desired time interval. Choose “Off” if you do not want to use the sleep timer.

Resetting to factory default

You can return your roadyXT to the state it was shipped from the factory. Be careful: this will erase all settings, including Stock Ticker, Info Extras, presets, display options, and audio options.

1. Press the “**menu**” button.
2. Select “Factory Default.”
3. Select “Yes” to restore your roadyXT to the factory settings.

Other Things You Should Know

Care

You should be able to use your roadyXT during most of your daily activities. However, you should remember:

- If your roadyXT does get dirty, wipe the case with a soft cloth (lightly moistened with water if necessary), then wipe dry with another cloth. Avoid chemicals such as paint thinner, alcohol, or abrasive cleansers.

- It is best to keep your roadyXT out of direct sunlight or other sources of extreme heat.

Caution: Refrain from using food or drinks near the roadyXT. Spilling food or drinks on the unit could damage it. Also, improper antenna cable installation can cause a leak that could result in damage to your roadyXT and/or your vehicle.

Accessories (sold separately)

We're always developing useful and clever accessories for your roadyXT such as a Home Kit. Check our web sites, www.xmradio.com or www.delphi.com, or your favorite electronics retailers.

Troubleshooting

Your roadyXT should provide you with trouble-free performance without needing any servicing. If it does not appear to be working properly, first try to remedy the problem by following these steps:

1. Attach all connections firmly and securely.
2. Ensure the cigarette lighter adaptor or auxiliary power socket is clean and free of corrosion.
3. Check the adaptor fuse by unscrewing the ribbed end of the adaptor. If required, replace with a 2-amp fuse only. If your cigarette lighter adaptor does not have a removable end cap, then it is equipped with an internal fuse that resets itself after it is left unpowered for a period of time.

If you see this on the display:	You should:
NO SIGNAL Cause: The XM signal is being blocked.	Move your roadyXT away from the obstructed area (e.g., an underground garage).
ANTENNA Cause: Possible problem with XM antenna.	Connect the antenna. Make sure the cable and connectors are not damaged or kinked.
ANTENNA Cause: When using home stand or vehicle cradle, home or car antenna is not plugged in.	Make sure the home or car antenna is plugged into the home stand or vehicle cradle.
OFF AIR Cause: The channel selected is not currently broadcasting.	Tune to another channel.

If you see this on the display:	You should:
UPDATING Cause: Your roadyXT is being updated with the latest encryption code.	Simply wait a few seconds until the update is done.
--- Cause: You may have tried to tune to a channel that you have blocked or that you cannot receive with your subscription package.	To receive that channel, contact XM Satellite Radio at 1.800.967.2346.

If this happens:	You should:
The display is blank; nothing happens when you push the power button.	Check the power connections to your roadyXT.
You do not receive all XM channels you have subscribed to.	Your roadyXT may not be activated. Contact XM Satellite Radio (see page 10).
Audio sounds distorted when using the built-in FM transmitter.	Reduce audio output level (see page 17).
Audio is too soft when using the built-in FM transmitter.	Increase audio output level (see page 17).
No audio from your audio system.	Check whether your audio system can play a CD, or regular AM or FM stations. Then check the audio connections between your audio system and your roadyXT.
You cannot tune to a channel.	Contact XM Satellite Radio at 1.800.967.2346. Verify that you are authorized to receive that channel as part of your XM subscription, and that you have not asked XM Satellite Radio to block that channel.
No song title or artist name displayed.	Nothing is wrong with your roadyXT. That information may be in the process of being updated. On some sports and news channels, there is no title or artist information.
No audio when listening through an FM radio.	Make sure that the FM radio and your roadyXT are set to the same frequency (see page 16).

If this happens:	You should:
Audio has static while listening through an FM radio.	Change to another FM frequency (see page 16). If the problem persists and you are using the wireless FM transmitter in a vehicle, use the Delphi FM Direct Adaptor (model SA10112, sold separately).
Audio on XM instant traffic and weather channels sounds different from other XM channels.	Nothing is wrong with your roadyXT. These channels use a different audio technology than the other XM channels.

Contacting Technical Support

For additional information in solving problems with your roadyXT, contact Delphi Technical Support at 1.877.GO DELPHI (1.877.463.3574), 8:00 a.m.— 8:00 p.m. Eastern Time, Monday — Friday. Technical Support is also available at www.delphi.com.

Technical Information

DIMENSIONS

receiver, without cradle:	2.25 in (H) x 3.7 in (W) x 0.7 in (D) 5.7 cm (H) x 9.4 cm (W) x 1.8 cm (D)
remote:	3.7 in (H) x 1.7 in (W) x 0.6 in (D) 9.4 cm (H) x 4.3 cm (W) x 1.5 cm (D)

WEIGHT

receiver, without cradle:	2.6 oz 76 g
remote:	1 oz 30 g

POWER

receiver:	5 V, 2000 mA maximum current, positive polarity
remote:	1 CR2032 3 V cell

INPUTS AND OUTPUTS

antenna:	1 RF SMB connector
audio:	3.5 mm diameter mini-stereo jack

Warranty

Delphi Limited Consumer Warranty

Delphi Product and Service Solutions ("Delphi") warrants all XM Satellite Radio Products sold by Delphi (each "Product") to be free of defects in material and workmanship, subject to the following conditions:

The duration of Delphi's warranty with respect to each Product is limited to one (1) year from the date of sale to the original consumer purchaser.

No other express warranties are made with respect to any Product. All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited to the warranty period set forth above. This warranty is not transferable and applies only to the original consumer purchaser of the Product.

Delphi will, as its sole obligation under this warranty, replace or repair, at its option, any Product that does not conform to this warranty. Products may be repaired or replaced with new or with refurbished items. This limited warranty does not cover defects in appearance, cosmetic or decorative items, including any non-operative parts. Under no circumstances will Delphi be liable for any incidental or consequential damages under this warranty or any implied warranties. These remedies are the customer's exclusive remedies for breach of warranty. This limited warranty only extends to customers who purchase the Products in the United States.

Delphi will not be responsible for damage resulting from any (i) deviation of Delphi's operating instructions as printed in Delphi's catalog or on any packaging, labels or other literature provided with a Product, (ii) installation of a Product in a manner which is inconsistent with Delphi's written instructions,

(iii) alteration or modification of a Product, (iv) misuse, (v) neglect, (vi) abuse, (vii) accident, (viii) normal wear and tear, (ix) commercial use, (x) improper storage, (xi) environmental conditions, including excessive temperature or humidity, (xii) service by anyone other than a Delphi authorized repair facility, (xiii) other improper application, installation or operation of this Product, or (xiv) defects or malfunctions of which Delphi is not advised within ten (10) days of the expiration of the limited warranty period.

How you (the Customer) can get service

To obtain warranty service during the first thirty (30) days after the date of purchase, you must return the defective Product with the original receipt to the original place of purchase. To obtain warranty service during the first thirty (30) days for Products purchased from www.delphi.com and for all Products for the remainder of the limited warranty period, you must contact Delphi by phone at 1.877.GO DELPHI (1.877.463.3574) or by fax at 1.866.790.3675. When contacting Delphi by fax, please include a letter detailing your complaint and a daytime telephone number where you can be reached. If further clarification or additional information is required from Delphi, you may call Delphi at 1.877.GO DELPHI (1.877.463.3574).

If warranty service is needed at any time during the warranty period, the purchaser will be required to furnish a sales receipt/proof of purchase indicating the date of purchase, amount paid, and place of purchase. Customers who fail to provide such proof of purchase will be charged for the repair or replacement of any Product.

How state law relates to the warranty

Some states do not allow limitations on the duration of implied warranties, or the exclusion or the limitation of incidental or consequential damages. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights that may vary from state to state. NO PERSON IS AUTHORIZED BY DELPHI TO MODIFY OR ADD TO THIS LIMITED WARRANTY.

DELPHI

Delphi Corporation
1441 West Long Lake Road
Troy, Michigan 48098-5090
U.S.A.
Customer Service: [1] 877.GO DELPHI

www.delphi.com

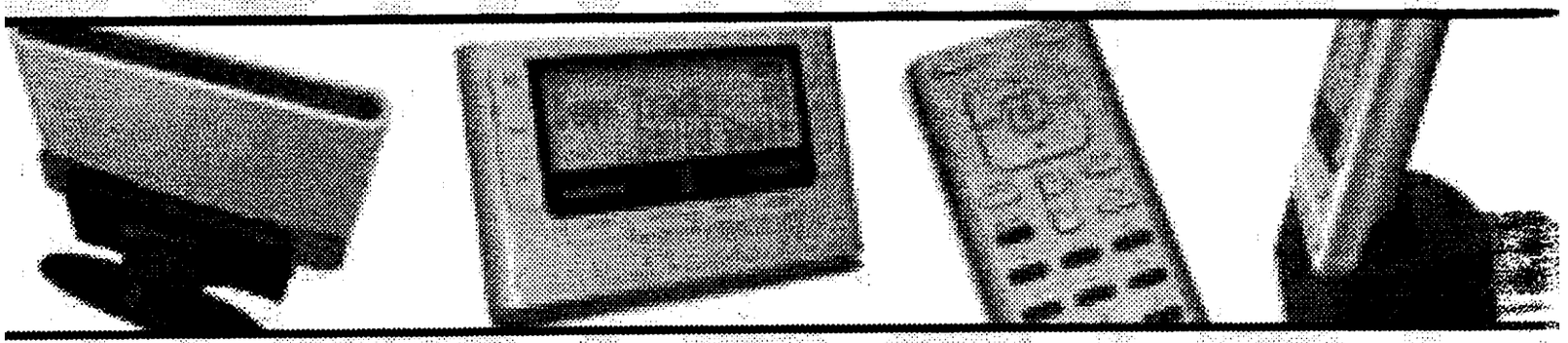
roadyXT, the XM name, TuneSelect, Roady2, and related logos are trademarks of XM Satellite Radio Inc.

Printed on Recycled Paper
©2005 Delphi Corporation. All rights reserved.
DPSS-05-E050

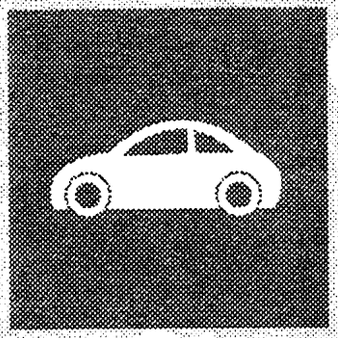
DELPHI

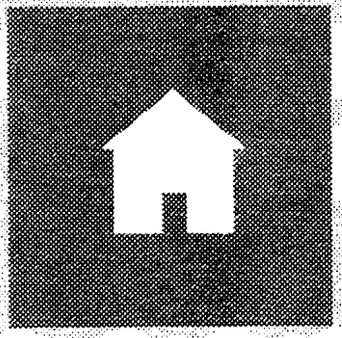
quick/install guide

XM Satellite Radio Receiver



roadyXT



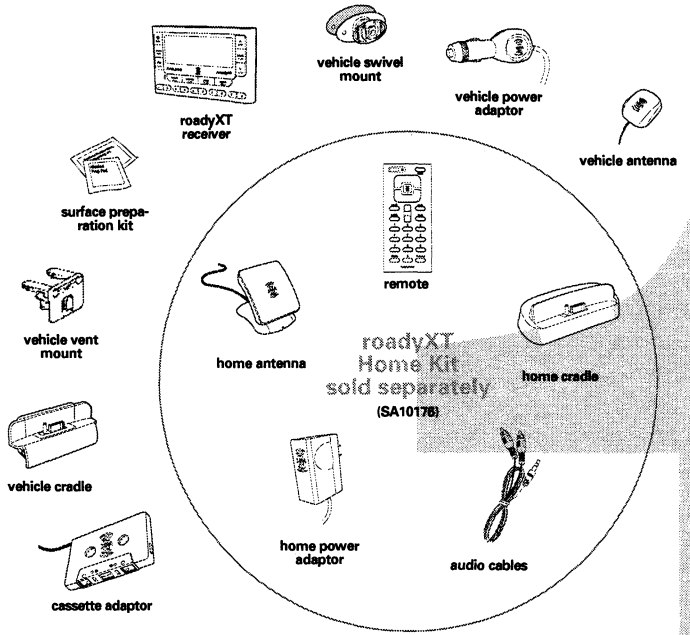


SA10175
SA10176
SA10178

((XM)) SATELLITE RADIO

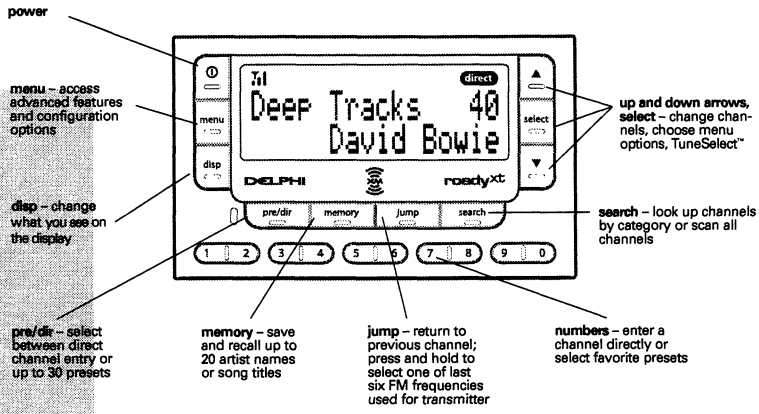
Important: This manual contains important safety and operating information. Please read, understand, and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to your roady XT, accessories, and/or to your vehicle or property.

What's in the box?

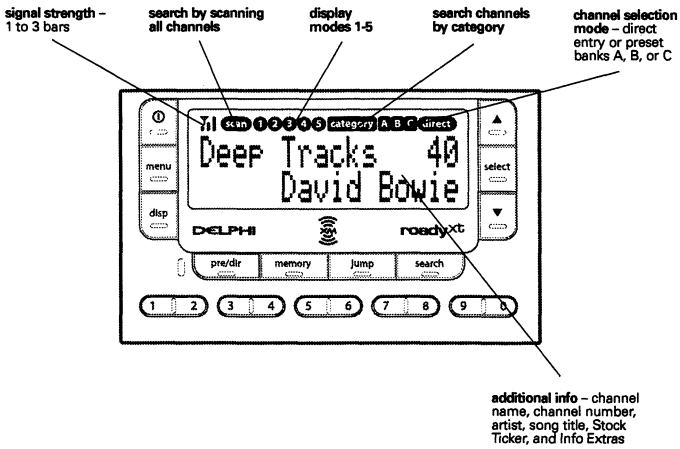


Additional Vehicle Kits sold separately **(SA10178)**

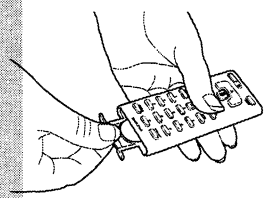
Controls


power
menu – access advanced features and configuration options
disp – change what you see on the display
pre/dir – select between direct channel entry or up to 30 presets
memory – save and recall up to 20 artist names or song titles
jump – return to previous channel; press and hold to select one of last six FM frequencies used for transmitter
numbers – enter a channel directly or select favorite presets
search – look up channels by category or scan all channels
up and down arrows, select – change channels, choose menu options, TuneSelect™
direct
Deep Tracks 40
David Bowie
menu
disp
select
pre/dir
memory
jump
search
DELPHI
roadyXT
1 2 3 4 5 6 7 8 9 0

Display

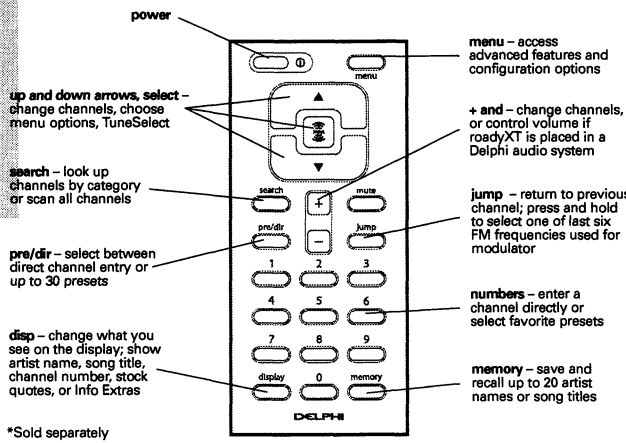

signal strength – 1 to 3 bars
search by scanning all channels
display modes 1-5
search channels by category
channel selection mode – direct entry or preset banks A, B, or C
scan 1 2 3 4 5 category A B C direct
Deep Tracks 40
David Bowie
menu
disp
select
DELPHI
roadyXT
pre/dir
memory
jump
search
1 2 3 4 5 6 7 8 9 0
additional info – channel name, channel number, artist, song title, Stock Ticker, and Info Extras

Remote Control*



Remember to pull out the clear plastic tab from the remote battery compartment before using the remote.

To remove the battery from the remote, use your thumb to press the center of the battery tray and pull it out. Replace the battery with the equivalent size and voltage, taking care to insert it with the positive (+) side up.


power
menu – access advanced features and configuration options
up and down arrows, select – change channels, choose menu options, TuneSelect
+ and – change channels, or control volume if roadyXT is placed in a Delphi audio system
search – look up channels by category or scan all channels
jump – return to previous channel; press and hold to select one of last six FM frequencies used for modulator
pre/dir – select between direct channel entry or up to 30 presets
numbers – enter a channel directly or select favorite presets
disp – change what you see on the display; show artist name, song title, channel number, stock quotes, or Info Extras
memory – save and recall up to 20 artist names or song titles
search
mute
pre/dir
jump
1 2 3 4 5 6 7 8 9
display
0
memory
DELPHI

*Sold separately

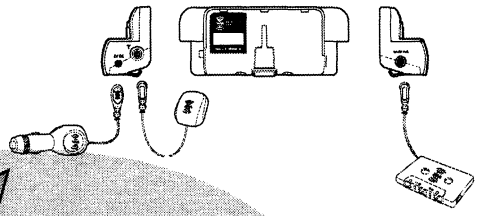
Using roadyXT in your vehicle

Because every vehicle is different, we can only provide some general guidelines. If you need help, consult a professional installer.

- Decide which method (cassette adaptor, wired connection, or wireless FM transmitter) is best for your vehicle and location.
- Always do a trial run before installing anything permanently. Temporarily connect all power, audio, and antenna lines. Make sure that you receive the XM signal and that you hear XM programming through your vehicle's audio system.

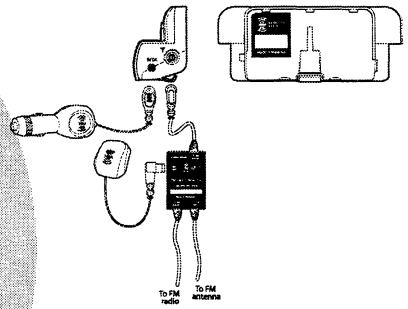
Audio quality

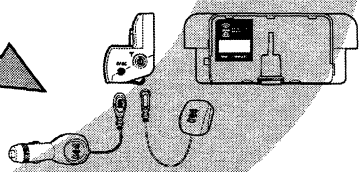
Audio Quality	Good	Better	Best
Cassette Adaptor	■	■	■
Wired FM	■	■	
Wireless FM	■		



Use the CASSETTE ADAPTOR if your vehicle's audio system has a built-in cassette player.

For a neat, fully integrated installation, use the DELPHI FM DIRECT ADAPTOR (model SA10112, sold separately). The FM Direct Adaptor must be connected to your car radio and to the car's FM antenna. We recommend that you consult a professional installer.



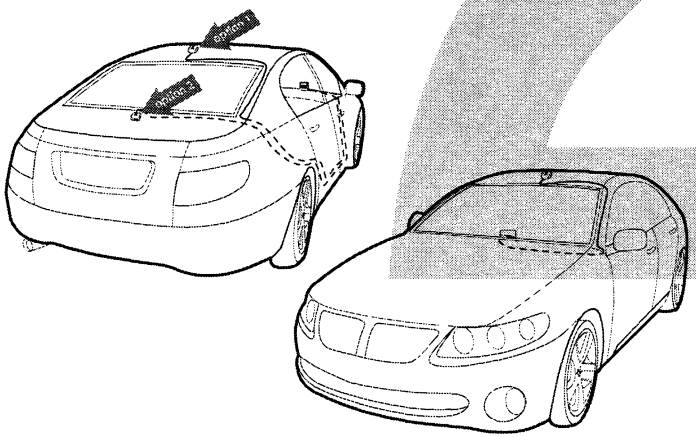


The WIRELESS FM TRANSMITTER is the easiest and quickest way to hear XM programming in your vehicle. Simply set your FM radio and your roadyXT to the same frequency.

Placing the antenna

For best reception, place the XM antenna on the vehicle's metallic roof, at least 6" from any window or sunroof. It can be placed in the front, middle, or rear of the roof.

If the car is a hard- or soft-top convertible, you may mount the antenna on the metal trunk lid. It should be at least 4" from the rear window. Ensure that the antenna and cable don't interfere with the opening or closing of the convertible top and the trunk lid.



TIP: If you route the antenna cable through the trunk seal, use the lowest part of the weather seal. This should minimize any water leaks.

TIP: If you use your roadyXT's wireless FM transmitter, mount the XM antenna as close to your vehicle's FM antenna as possible. The FM antenna may be a wire or metallic strip embedded in the windshield or rear window.

TIP: Don't install the XM antenna inside your vehicle or on a non-metallic surface. Doing so will likely degrade the signal and you will probably experience more signal interruptions.

Warning: Failure to properly install the antenna may result in injury to yourself or to others if it becomes detached during an accident.

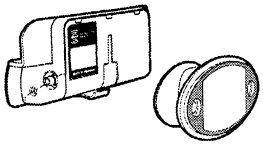
Mounting roadyXT in your vehicle

We've included two types of mounts to help you install your roadyXT in your vehicle's interior.

Swivel Mount

Find a suitable location; the mount uses a strong adhesive and you'll have difficulty repositioning it after installation. Do not install this mount on a leather surface. Make sure the air temperature is at least 60°F.

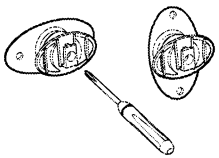
Clean the mounting surface with the surface preparation cleaning kit, following the directions on the package.



Peel away the adhesive liner and firmly press the swivel mount to the surface for 30 seconds. For best results, do not touch or apply any pressure to the vehicle mount for 24 hours.

To remove the mount, lift the adhesive pad with your fingers or a spoon. You may warm it with a hair dryer for 2 to 3 minutes to help soften the adhesive. Remove any leftover adhesive from the dash surface by rubbing with your finger, or use a mild cleaner as recommended by your vehicle's manufacturer.

Caution: Never use a commercial heat gun or paint-stripping gun. This could result in damage to the unit or to your vehicle.

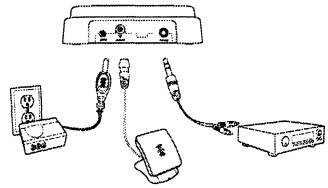


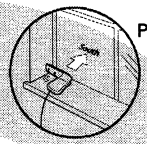
You can adjust the tension of the swivel mount by using a screwdriver.

Base of mount can be rotated to accommodate vertical or horizontal surfaces. Choose the best for your installation.

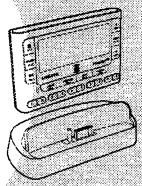
Using roadyXT at home*

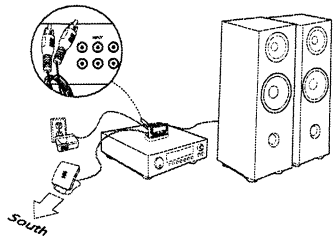
Turn off your roadyXT and your home stereo. Connect your roadyXT to your stereo as illustrated.





Place the antenna on a window or an exterior wall so that it points south.

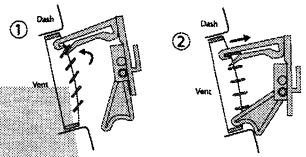


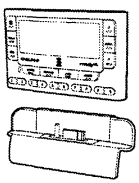


*With roadyXT Home Kit, (model SA10176, sold separately)

Vent Mount

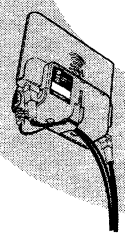
Find a horizontal air vent that is strong enough to hold your roadyXT and its cradle. Clip the vent mount into the vent. To remove the mount, push it into the vent and lift upwards slightly to release the mount's hooks from the vent vanes. Carefully extract the mount.





Insert your roadyXT receiver into the vehicle cradle.

Attach the power, antenna, and audio cable (if needed). Tuck the cables under the plastic tab.



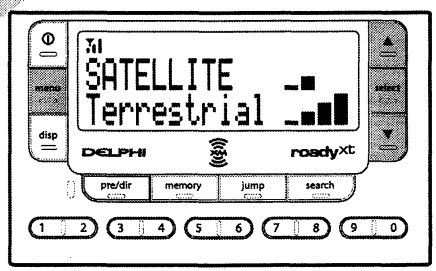
Turn on your roadyXT.

To help aim the antenna, use roadyXT's "Antenna Aiming" feature.

Press the **"menu"** button. Use the arrow and **"select"** buttons to choose "Antenna Aiming." This feature is most helpful when using the roadyXT in a stationary home or office environment.

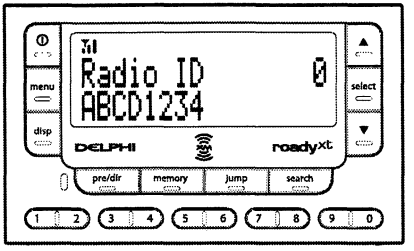
Slowly turn and tilt the antenna. The signal bars on the display will change. Find the position that gives at least two bars on either "satellite" or "terrestrial."

The antenna aiming screen remains as long as it's needed to help you position the antenna. When you've found the best position, press the **"menu"** button twice to return to normal operation.



Warning: roadyXT should be placed in your vehicle where it will not interfere with the function of safety features (e.g., deployment of airbags). Failure to correctly place roadyXT may result in death and/or injury to yourself or to others if the unit becomes detached during an accident and/or obstructs the deployment of an airbag.

Activating your roadyXT



Press the arrow buttons to find channel 0. Push the "**select**" button to choose it.

You'll see an 8-character XM Radio ID in the display. **(The XM Radio ID does not use the letters I, O, S, and F.)**

Activate your XM Satellite Radio service by contacting XM at http://activate.xmradio.com or by calling 1.800.XM.RADIO (1.800.967.2346). You will need the XM Radio ID and a major credit card.

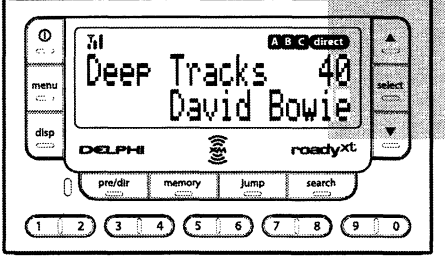
XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10 to 15 minutes, but may take up to an hour during peak busy periods.

When you can access the full channel lineup on your roadyXT, you're done!

Do more

- Save favorite channels as presets, which you can instantly recall by pushing just one button.
- Save and recall the artist names and titles of your favorite songs.
- Use TuneSelect™ to find your favorite songs when they play on any XM channel.
- Create a personal stock ticker.
- View sports scores, news, and more.

Check out your roadyXT User Guide for more information.



FCC ID: RS2SA10177
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received,
including interference that may cause undesired operation.

The Delphi XM® roadyXT Satellite Radio Receiver incorporates an FM transmitter and is therefore classified as an intentional transmitter. Changes or modifications to the unit not expressly approved by Delphi can void your authority to operate this equipment.

⚠ Warning: The FCC and FAA have not certified the Delphi XM roadyXT Satellite Radio Receiver for use in any aircraft (neither portable nor permanent installation). Therefore, Delphi cannot support this type of application or installation.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DELPHI

Delphi Corporation
1341 West Long Lake Road
Troy, Michigan 48098-6050
U.S.A.
Customer Service: 1-800-352-DELPHI

www.delphi.com

roadyXT, the XM name, TuneSelect, and related logos are trademarks of XM Satellite Radio Inc

Printed on Recycled Paper
©2005 Delphi Corporation All rights reserved
DPSS-05-E-051

To activate your satellite radio, call the XM Listener Care Center

at 1-800-XM-RADIO (1-800-967-2346)

or log on to:

http://www.xmradio.com

DELPHI

SATELLiTE
RADiO

For additional setup instructions, refer to your User Guide.

To purchase
accessories for your
Delphi satellite radio
visit:
http://www.shopdelphi.com

DELPHI

SATELLITE
RADIO

DECADES

4	40s	BIG BAND/SWING/FORTIES
5	50s	FIFTIES HITS
6	60s	SIXTIES HITS
7	70s	SEVENTIES HITS
8	80s	EIGHTIES HITS
9	90s	NINETIES HITS

COUNTRY

10		CLASSIC COUNTRY
11	Nashville	90s & TODAY'S COUNTRY
12	Country	PROGRESSIVE COUNTRY
13	Deep Blue	TRADITIONAL COUNTRY
14	Bluegrass Junction	BLUEGRASS
15	Village	FOLK
16	Highway 16	TOP COUNTRY HITS

POP & HITS

20	20	TOP 20 HITS
21		TODAY'S HIT MUSIC
22	Mix	MODERN POP HITS
23	the heart.	LOVE SONGS
24	Sunny	BEAUTIFUL MUSIC
25	blend	ADULT HITS - PAST & TODAY
27	Cinemagic	MOVIE SOUNDTRACKS
28	On Broadway	SHOW TUNES
29		EURO & GLOBAL CHART HITS

CHRISTIAN

31	Flow	CHRISTIAN ROCK
32		CHRISTIAN POP
33	Spirit	GOSPEL

ROCK

40	Deep Tracks	DEEP ALBUM ROCK
41	Hard Rock	HARD ROCK *XL*
43	XM	COLLEGE/INDIE/NEW MUSIC
44	Fred	DEEP CLASSIC ALTERNATIVE
45	XM cafe	SOFT ALTERNATIVE
46	The Rock	CLASSIC ROCK
47	ETHEL	90s & TODAY'S ALTERNATIVE
48	Squizz	HARD ALTERNATIVE *XL*
50	lofi	ACOUSTIC ROCK
51	musiclab	JAMBANDS/PROG ROCK
52	UNSIGNED	UNSIGNED ARTISTS
53	fungus	PUNK/HARDCORE/SKA *XL*
54	Lucy	ALTERNATIVE HITS

HIP-HOP & URBAN

60	SOUL	CLASSIC SOUL
61	flow	NEO SOUL
62	Suite 62	TODAY'S R&B
64	GROOVE	OLD SCHOOL R&B
65	Rhyme	CLASSIC HIP-HOP/RAP *XL*
66	Raw	UNCUT HIP-HOP *XL*
67	the Beat	URBAN TOP 40

JAZZ & BLUES

70		TRADITIONAL JAZZ
71	Watercolors	CONTEMPORARY JAZZ
72	Beyond Jazz	MODERN JAZZ
73	Frankly Jazz	AMERICAN STANDARDS
74	bluesville	BLUES

LIFESTYLE

75	Hear Now	HEAR MUSIC™ AT STARBUCKS
76	Fine Tuning	ECLECTIC
77	Audio Visions	NEW AGE

DANCE

80	the move	UNDERGROUND DANCE
81	bpm	DANCE HITS
82	The System	ELECTRONICA
83	Chrome	DISCO

LATIN

90	Alegria	LATIN HITS
92	aguila	REGIONAL MEXICAN
94	Celeste	TROPICAL
95	Luna	LATIN JAZZ

WORLD

100	World Zone	WORLD
101	The Joint	REGGAE
102	Negra	AFRICAN

CLASSICAL

110	Classics	TRADITIONAL CLASSICAL
112	VOX	OPERA/CLASSICAL VOCALS
113	XM Pops	POPULAR CLASSICAL

KIDS

115	Radio Disney	CHILDREN
116	XM kids	CHILDREN

NEWS

121	Fox News	FOX NEWS
122	CNN	CNN
123	Headline News	CNN HEADLINE NEWS
124	ABC News Radio	ABC NEWS & TALK
125	The Weather Channel	THE WEATHER CHANNEL
127	CNBC	CNBC
◊129	Bloomberg Radio	BLOOMBERG RADIO
130	MSNBC	MSNBC
131	BBC World Service	BBC WORLD SERVICE
132	C-SPAN Radio	C-SPAN RADIO
133	XM Public Radio	XM PUBLIC RADIO
134	CNN en Español	CNN EN ESPAÑOL

SPORTS ▲

140	ESPN Radio	SPORTS TALK/PLAY-BY-PLAY
141	ESPNEWS	SPORTS NEWS
142	Fox Sports Radio	SPORTS TALK
■143	Sporting News Radio	SPORTS TALK
144	NASCAR	NASCAR® RADIO
145	NASCAR 2	IN-RACE DRIVER AUDIO
146	PGA TOUR	THE PGA TOUR NETWORK
147	XM Deportivo	PLAY-BY-PLAY EN ESPAÑOL
175		**MLB HOME PLATE**™ 24/7 NEWS & TALK
176-189		14 MLB™ PLAY-BY-PLAY CHANNELS
190		PLAY-BY-PLAY EN ESPAÑOL
191-193	ACC	ACC FOOTBALL/BASKETBALL
194-196	Pac-10	PAC-10 FOOTBALL/BASKETBALL
197-199	Big Ten	BIG TEN FOOTBALL/BASKETBALL

TALK

150	XM Comedy	COMEDY *XL*
151	Laugh USA	FAMILY COMEDY
152	Extreme XM	EXTREME TALK
155	MTV	MTV RADIO
156	VH1	VH1 RADIO
♦161	Discovery Channel	DISCOVERY RADIO
162	E!	E! ENTERTAINMENT
163	Sonic Theater	BOOKS & DRAMA
164	Radio Classics	OLD TIME RADIO
165	Ask!	EXPERTS & ADVICE
166	America Right	CONSERVATIVE TALK
167	Urban View	PROGRESSIVE TALK
169	the power	AFRICAN-AMERICAN TALK
170	FamilyTalk	CHRISTIAN TALK
171	Open Road	TRUCKERS' CHANNEL
☆200	XM Live.	CONCERTS/SPECIAL FEATURES
202	High Voltage	OPIE & ANTHONY SHOW *XL*

XM INSTANT TRAFFIC & WEATHER

210-230	◊ 21 MAJOR MARKETS
247	XM EMERGENCY ALERT

PREMIUM *Additional $2.99/month*

205	Playboy Radio	ADULT *XL*

XM Previews on Channel 1.
XL May include frequent explicit language.
Please call XM Listener Care at **1-800-XM-RADIO** (1-800-967-2346) for Parental Control/Blocking Option.
◊ Ch.129 airs 5AM ET-6PM ET Mon.-Fri.
■ Ch.143 may be preempted between 9AM ET-9PM ET Sat. & Sun.
♦ Ch.161 airs 6PM ET-5AM ET weekdays and all day Sat. & Sun.

▲ Visit nascar2.xmradio.com for NASCAR 2 Ch. 145 broadcast schedules. Visit collegesports.xmradio.com for college game schedules. Games subject to availability. Spanish Sports Ch. 147 begins July, 2005. All schedules subject to change.
☆ Visit xmradio.com for Ch. 200 special event dates and times.

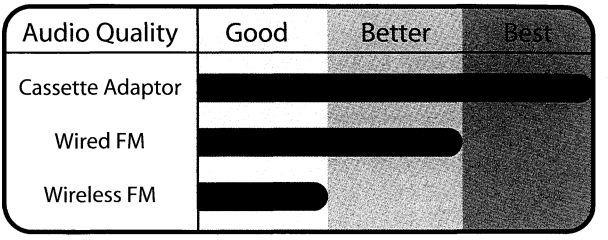
Channel lineup effective 6/10/05 — All programming subject to change. Visit xmradio.com for updates. ©2005 XM Satellite Radio.

xmradio.com

Vehicle Installation Guidelines for XM Satellite Radio

Vehicle Installation Guidelines for XM Satellite Radio

This XM Receiver offers the listener a variety of options for connecting XM Satellite Radio to your vehicle's FM radio. XM research and lab test results show that using a vehicle cassette adapter can best maximize the relationship between the best sound quality and ease of installation. If your vehicle kit does not include a cassette adapter, one should be available at your local retailer or visit www.xmradio.com, click "Shop XM Radio."



1. Cassette Adapter

Using a cassette adapter for audio is the most popular and best sounding solution. Please follow steps 1 through 4 below for mounting the satellite radio antenna and securing the XM receiver and cables.

2. Wired FM (Professional Installation Recommended)

A wired FM installation kit is available from your retailer for professional installation. See your retailer for details. This solution is recommended if you cannot get acceptable performance with the wireless FM modulator.

3. Wireless FM Modulator

The XM receiver is equipped with a FM modulator which can transmit the XM audio to your car's FM radio without wires.

IMPORTANT: For best wireless FM Modulator performance, you must locate the satellite radio antenna in a location that is in close proximity to the vehicle's FM antenna.

For example, with reference to Figure 1, if your FM antenna is located on a rear fender or top of the roof, mount the XM antenna near the rear window location (option 1). If your FM antenna is located on a front fender, mount the XM antenna near the windshield location (option 2). Remember, the closer the satellite radio antenna can be to the FM antenna, the better the wireless FM reception and sound quality will be.

In order to optimize the operation of the wireless FM modulator, follow the installation guidelines outlined in steps 1 through 4 below:

Step 1:

First, determine the proper location for your satellite radio antenna based on the following criteria for your specific vehicle:

- You must locate the satellite radio antenna on the top of the roof either in front of the rear window (option 1) or behind the windshield (option 2). The satellite radio antenna will perform best if magnetically attached to a steel surface with an unobstructed view of the open sky and minimum of 3 to 6 inches of metal surrounding the antenna.

- When routing the antenna cable along the windshield or rear window, tuck the antenna cable under the window seal to maintain a professional looking installation and to avoid loose wires on the exterior of the vehicle which are susceptible to damage. Follow the interior cable routing diagram depicted by dashed lines in Figure 1 where possible.

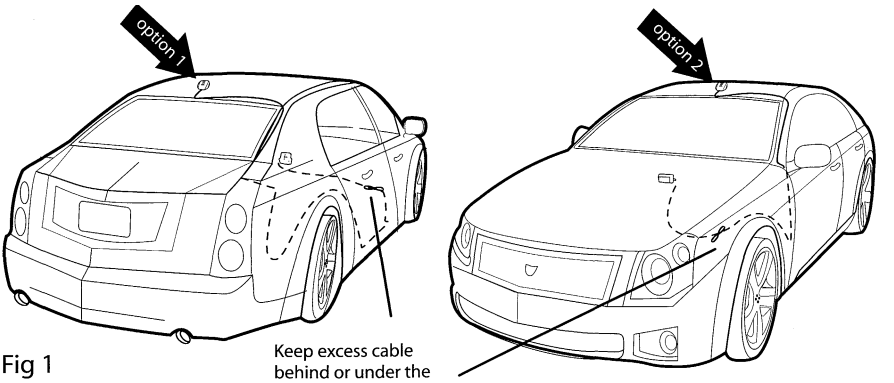


Fig 1

- For best FM Modulator performance, you must locate the satellite radio antenna in a location that is in close proximity to the vehicle's FM antenna.
- Avoid kinking, crimping, twisting or chafing the cable. Use pre-existing wire channels when possible.
- For option 1 and rear mounting locations, route the cable into the trunk as shown. Always cross the weather seal at the lowest part of the trunk to reduce water leaks. From the trunk, route the cable into the passenger compartment through available wire channels and then along the floor under the door jam trim or under the carpet to the front of the passenger compartment. Do not leave the cable loose in the passenger compartment where it is likely to be damaged.
- For option 2 and front mounting locations, route the cable along the door jam and into the vehicle as shown. Route the cable across the weather seal near the bottom of the door to reduce water leaks.

Step 2:

Be sure to locate your car cradle and receiver below the top of the dash in your vehicle to keep the product within easy reach while driving. Choosing a lower location in your installation should also make it easier to manage the cables and achieve a more desirable appearance when the installation is completed. A lower location for the receiver in the vehicle will ensure that the installation does not cause interference with other FM radios outside the vehicle.

See illustration below (Fig 2) and be sure to locate your car cradle within the shaded area.

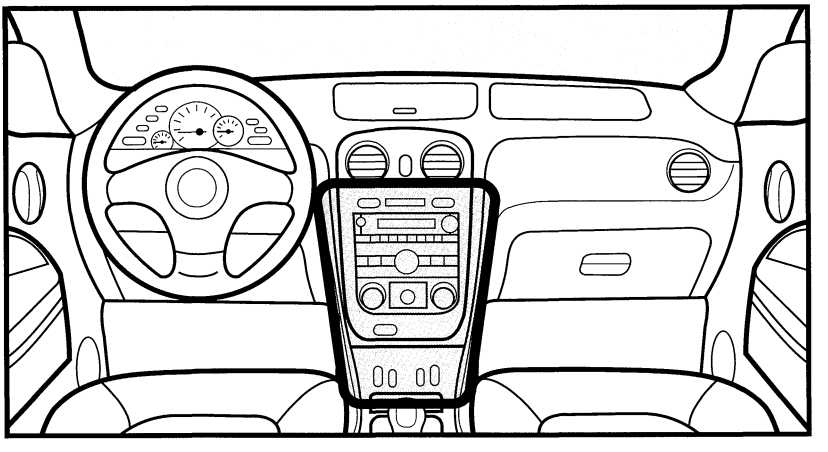
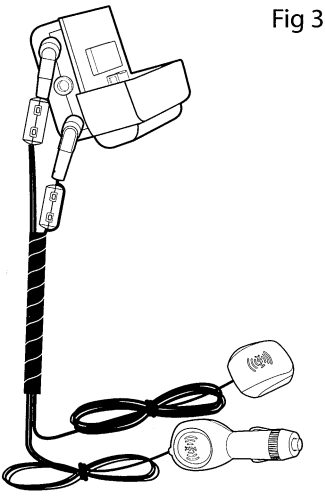


Fig 2

Step 3:

Once you have plugged the power and antenna jacks in to the car cradle, use the included cable organizer as shown in figure 3 to improve the overall appearance of the installation.

Fig 3



Step 4:

Re-use the cable twist ties that were provided with the power adaptor and car antenna cables and always be sure to gather, bundle, twist tie, and secure any excess cable remaining after determining the best location for your satellite radio installation.

For example, secure the excess cable up under your dash board, between the seat and the console, or on the floor under a seat or floor mat. This will help to prevent the excess cable from interfering with the everyday use of your vehicle, improve the appearance of the installation, and avoid any undesirable accidental damage to the cables that might result in loss of power or satellite signal.

For wireless FM modulator installations, securing and tie wrapping the excess cable is important to reduce background hissing noise. Be sure to choose a location carefully by taking notice of how doors and trunks open and close, as well as how seats move when they are adjusted so you can be certain there is ample clearance provided for the cables.

FCC INFORMATION:

Please note that the cables and antenna wire that has been supplied with your device are supplied with permanently attached ferrite beads. It is the responsibility of the user to use the cable and antenna wire with the ferrite beads.

The user is cautioned that changes or modifications not expressly approved by XM Satellite Radio, Inc. can void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

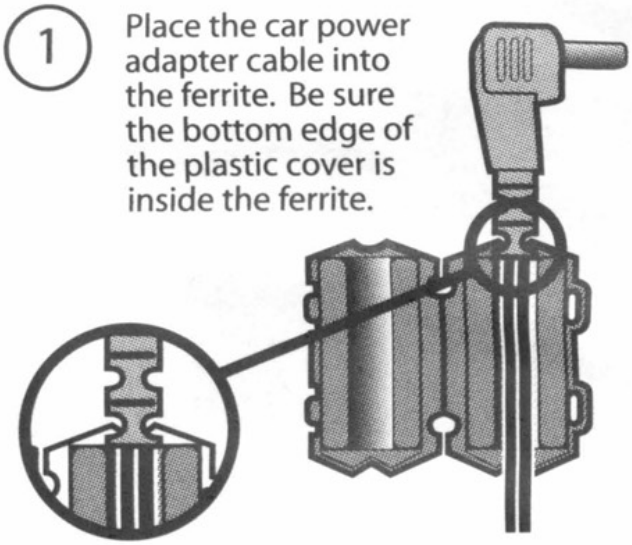
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT INSTALLATION NOTICE

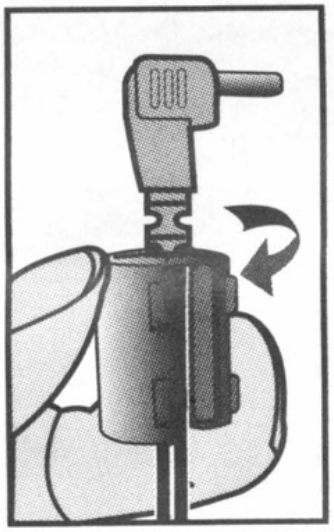
In order to ensure that your new XM Radio operates properly you must install these attached "ferrites" to both the XM Satellite Radio antenna lead and the cigarette lighter adaptor lead as illustrated below. Doing so is an important part of the installation which is required to make sure that your XM Radio will not interfere with other radios.

How to attach the snap on "ferrite" to the XM Satellite Radio POWER ADAPTER cable.

1. Place the car power adapter cable into the ferrite. Be sure the bottom edge of the plastic cover is inside the ferrite.

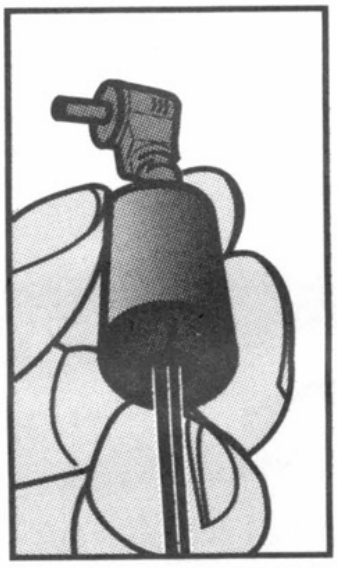


2. Snap the ferrite closed. Be sure you are not pinching the cable.



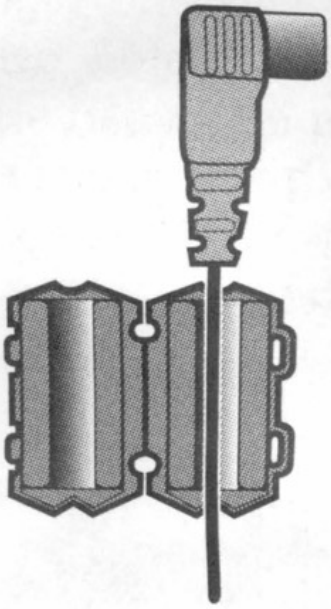
3. The ferrite should fit tightly around the cable.

4. This is how the ferrite will look if you have attached it correctly.

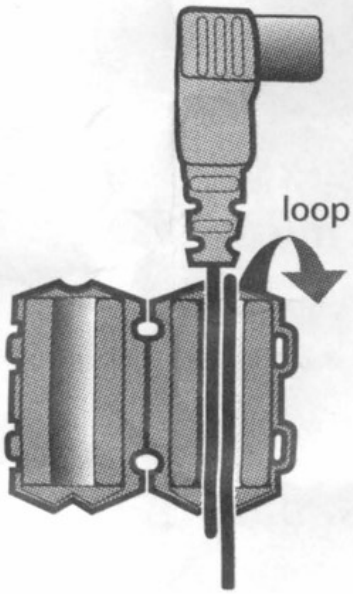


SATELLITE RADIO

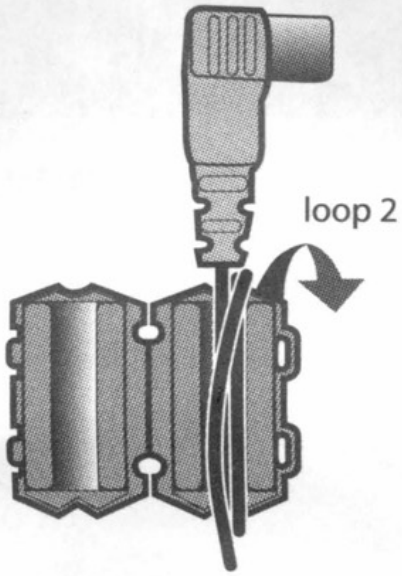
How to attach the snap on "ferrite" to the XM Satellite Radio antenna cable.



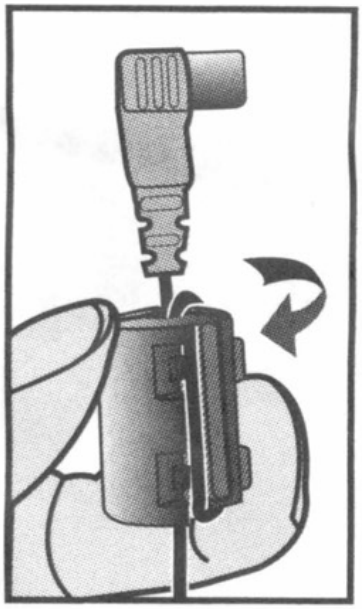
1 Place the XM car antenna cable into the ferrite.



2 Wrap the antenna cable around the ferrite once.

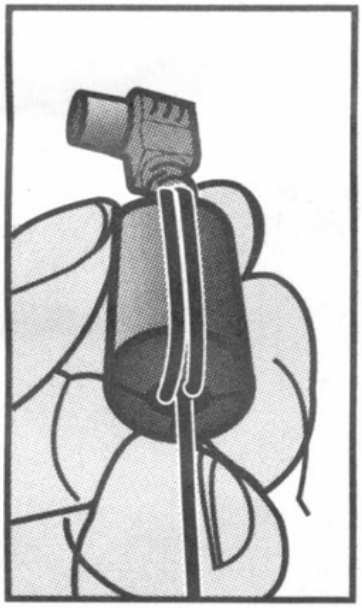


3 Wrap the antenna cable around the ferrite a second time as shown.



4 Snap the ferrite closed. Be sure you are not pinching the cable.

5 The cable should fit tight against the ferrite.



6 This is how the ferrite will look if you have attached it correctly.

FCC REQUIREMENT:

In order to avoid interference with nearby radios in your home, use the optional home cradle accessory kit, and use the included mini-to-RCA cable. In your XM radio menu, if the FM Frequency can be set to "Off", set it to "Off".

Expand Your Possibilities.

DELPHI

Roady XT Home Kit
(SA10176)

Conveniently add Roady XT to a home or office environment with the Roady XT Home Kit.

Additional Roady XT Vehicle Kit
(SA10178)

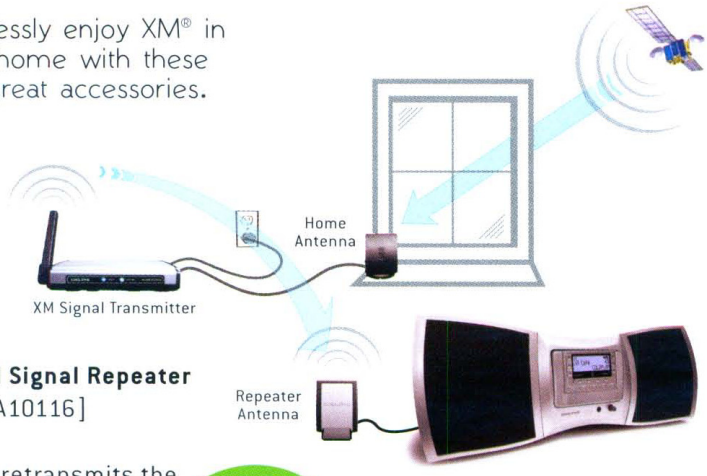
Conveniently add Roady XT to a second vehicle with this additional Roady XT Vehicle Kit.

For Special Offers & Discounts, visit

www.delphioffer.com/roadyxt3

For additional information on these exciting accessories check your local retailer or visit www.shopdelphi.com.

Effortlessly enjoy XM® in your home with these two great accessories.



XM Signal Repeater
[SA10116]

Wirelessly retransmits the XM signal throughout your entire home — even through walls and floors. Includes XM Signal Transmitter, Repeater Antenna, and AC Power Adaptor.

ONLY
$99.99
(SAVE $70!)

roadyXT

Offer valid while supplies last. Offer valid for U.S. Customers only.
XM, the XM logo and Roady are trademarks of XM Satellite Radio, Inc.
©2006 Delphi Corporation. All rights reserved.